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1987 ARIZONA AGRICULTURAL STATISTICS

ISSUED JULY 1988

This twenty-third edition of Arizona Agricultural Statistics is a combined result of the efforts of many people. Thanks go out to Arizona farmers and ranchers, my office staff, and our corps of telephone and field enumerators across the State. This bulletin is the product of the cooperation of these many people.

A special thanks to Ann Hudececk of the Agricultural Economics Department at the University of Arizona who plotted the charts and graphs that appear in the bulletin.

New and expanded features to be found in this year's publication include:

--Arizona Crop Records, Highs and Lows, of Acreage, Yield and Production, page 10

--Cotton Variety Data, page 97

--Expanded Fertilizer Consumption Data, page 103

--Foreign Ownership of Arizona Land, page 105

We welcome any comments or suggestions on the content of this bulletin.

Barry L. Bloyd
State Statistician

ABOUT OUR COVER

The photographs on our cover reflect Arizona's leading field crop, cotton; our number one livestock commodity, cattle; and our top vegetable crop, western lettuce.

The photographs are courtesy of Mike Shannon, Editor, Arizona Farmer-Stockman, Tucson, Arizona and Barry Bloyd, State Statistician, Arizona Agricultural Statistics Service, Phoenix, Arizona.

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A cooperative function of

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Bulletin S-23
July 1988
2.2 M

National Agricultural Statistics Service
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CONTENTS

ARIZONA COUNTIES MAP. iv

INTRODUCTION. 1

STATE SUMMARY

Number of Farms and Ranches and Land in Farms and Ranches 2
Farm Balance Sheet. 2
Farm Real Estate Debt and Nonreal Estate Debt 3
Value of Home Agricultural Commodity Consumption. 3
Commodity Credit Corporation Loans. 3
Farm Income Indicators. 4
Government Payments 5
Cash Receipts from Agricultural Marketings. 5
Cash Receipts - Crops and Livestock by Counties 6
Ranking of States Producing Major Arizona Commodities 7
Crop Summary - Arizona and United States. 8
Livestock Summary - Arizona and United States 9
Crop Records - Acreage, Yield and Production, Arizona 10

FIELD CROPS

Summary 11
Upland Cotton 12-13
American-Pima Cotton. 14-15
All Cotton. 16-17
Durum Wheat 18-19
Other Wheat 20-21
All Wheat 22-23
Barley. 24-25
Sorghum 26-27
Corn. 28-29
Alfalfa 30
Other Hay 31
All Hay 32-33
Grain and Hay Stocks. 34
Other Field Crops 35
Principal Crops, Acres Harvested 1986 . . . . . Inside Back Cover
Principal Crops, Acres Harvested 1987 . . . . . Back Cover

VEGETABLES, MELONS, AND POTATOES

Summary 36
Western Lettuce 37
Other Lettuce 38-39
Carrots 40
Dry Onions. 41
Broccoli. 42
Cauliflower 42
Watermelons 43
Honeydews 44-45
Cantaloups. 46-47
Potatoes. 48
Other Vegetables. 49-51

FRUITS AND NUTS

Summary 52
Grapes. 53
Citrus. 54-65
Other Fruits and Nuts 66-67

CATTLE

Summary 68
Cattle and Calves 69-70
Cattle on Feed. 71-73
Cattle Prices 74

CONTENTS (CONTINUED)

DAIRY

Summary 75
Milk Cows and Milk Production 76
Grain Fed 77
Manufactured Dairy Products 77
Number of Dairy Plants. 77

SHEEP

Summary 78
Sheep and Lambs 78-79
Wool. 80
Sheep, Lamb, and Wool Prices. 80

POULTRY

Chickens and Eggs 81

HOGS

Summary 82
Hogs and Pigs 82-83

MEAT PRODUCTION

Livestock Slaughter 84-85

HONEY

Production. 85

FARM LABOR

Number of Workers and Wage Rates. 86-87

INTERNATIONAL TRADE

Summary 88
Exports 88
Value of Foreign Trade and Trade Balance. 89
Cotton Supply and Use 89

WEATHER

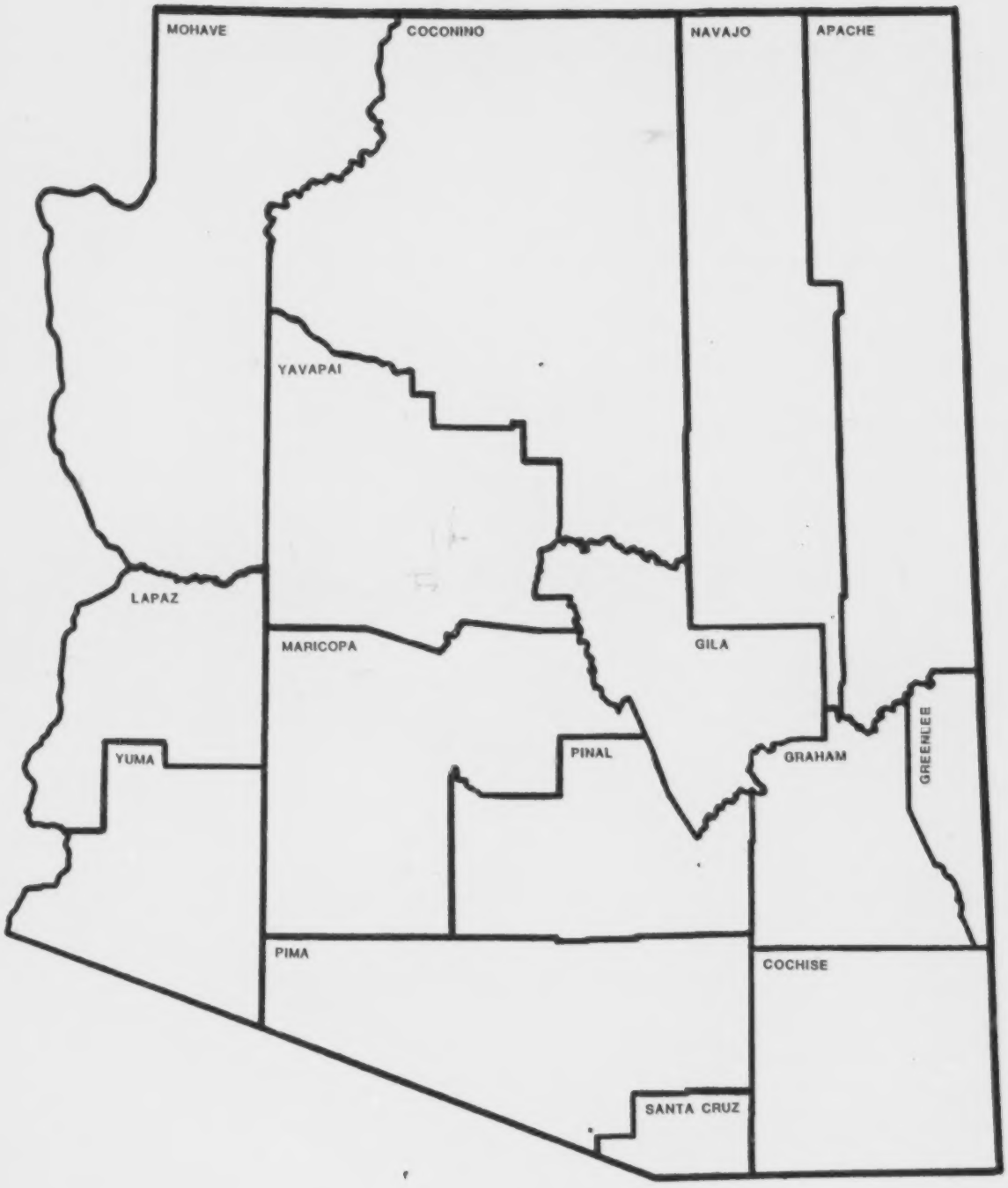
Summary 90
Freeze Dates. 91
Temperatures. 92
Precipitation 93
Reservoir Storage 94

OTHER STATISTICS

Cotton Objective Yield. 95
Cotton Ginning Charges. 96
Upland Cotton - Percentage of Varieties Planted 97
Domestic Cotton Mill Consumption. 98
Cotton Progress 99-100
Small Grains Progress 100
Pasture and Range Feed Conditions 101
Seeding Rates 101
Planting and Harvesting Dates 101
Pesticide Sales 102
Fertilizer Consumption. 103
Land Ownership. 104
Foreign Ownership of Arizona Land 105
Grazing Fees. 106

STATISTICAL OFFICES 107

ARIZONA COUNTIES



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INTRODUCTION

We are pleased to present the twenty-third annual edition of "Arizona Agricultural Statistics". This joint effort of the College of Agriculture and the Arizona Agricultural Statistics Service continues to supply all decision-makers in agriculture with continuous, detailed, and reliable information.

The process to provide this information begins with the voluntary cooperation of many Arizona farmers and ranchers. Also, agribusiness firms, other state and federal agencies, and other University of Arizona departments supply basic information and related data that make this publication possible. To all we extend our thanks and appreciation for a job well done.

With this edition, we would like to recognize the 125th anniversary of the first crop report issued by the United States Department of Agriculture (USDA). The United States Department of Agriculture, which was created during the administration of Abraham Lincoln in 1862, issued its first report in July, 1863. One reason for beginning the crop reporting system was to assure a fair price for the farmer and a fair cost to the consumer. From its humble beginning, the world's most sophisticated agricultural data collection agency has evolved.

Comments and suggestions about this publication, or how we may serve you, the dater user, are always welcome and appreciated. Please contact me or the Arizona Agricultural Statistics Office.

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STATE SUMMARY

NUMBER OF FARMS AND RANCHES: Selected States, 1983-87 1/

State	1983	1984	1985	1986	1987
			Number		
Arizona	8,200	8,300	8,500	8,600	8,400
California	80,000	78,000	79,000	79,000	77,000
Colorado	27,000	27,000	26,700	26,600	26,800
Idaho	24,500	24,600	24,600	24,000	23,000
Montana	24,000	23,900	23,800	23,600	23,300
Nevada	2,700	2,600	2,500	2,400	2,400
New Mexico	14,000	14,000	13,800	13,600	13,500
Oregon	37,500	37,000	37,000	37,000	37,000
Texas	187,000	187,000	177,000	162,000	160,000
Utah	14,000	14,000	13,900	13,700	13,600
Washington	38,000	38,000	38,000	38,000	37,000
Wyoming	9,200	9,100	9,000	8,800	8,700
UNITED STATES	2,370,200	2,328,400	2,274,730	2,211,920	2,173,410

1/ A farm is a place as of June 1 that sells or could sell $1,000 of agricultural products during the year.

LAND IN FARMS AND RANCHES: Selected States, 1983-87 1/

State	1983	1984	1985	1986	1987	Average size of farms and ranches 1987
			1,000 acres			Acres
Arizona	37,500	37,500	37,500	37,200	37,000	4,405
California	33,200	33,000	32,900	32,800	32,600	423
Colorado	34,800	34,600	34,400	34,200	34,000	1,269
Idaho	14,900	14,700	14,500	14,200	13,800	600
Montana	61,300	61,100	61,000	60,900	60,800	2,609
Nevada	8,900	8,800	8,800	8,800	8,800	3,667
New Mexico	46,000	45,800	45,000	44,600	44,600	3,304
Oregon	18,000	18,000	18,000	17,900	17,900	484
Texas	137,000	136,800	135,500	134,000	133,200	833
Utah	12,000	11,800	11,600	11,400	11,300	831
Washington	16,300	16,100	16,100	16,000	15,800	427
Wyoming	35,000	34,800	34,800	34,800	34,800	4,000
UNITED STATES	1,024,195	1,019,378	1,014,383	1,007,643	1,002,463	461

1/ Land in farms, along with "average size" of farm can be misleading, especially in the western states, since it excludes all state and federal public grazing lands which are leased on a per-head basis rather than a per-acre basis. Conversely, Indian lands that cannot be accounted for in the usual individual operator manner are reported as one farm or ranch by a central tribe source. In Arizona, Indian lands contribute over 20 million acres to the State's land in farms. The Navajo nation, as one farm, accounts for almost half of the Indian land. Arizona irrigated farms which are larger than 100 acres average about 650 acres in size.

FARM BALANCE SHEET: Arizona, December 31, 1982-86 1/

Item	1982	1983	1984	1985	1986
			Million dollars		
TOTAL FARM ASSETS	12,274.0	12,440.3	11,420.4	10,095.8	10,523.9
Real estate	10,837.5	11,062.5	9,937.5	8,662.5	9,002.4
Livestock and poultry	440.3	411.0	447.9	426.9	422.8
Machinery and motor vehicles	498.9	507.8	515.3	482.1	438.8
Crops	124.3	53.1	80.3	54.4	82.0
Household equipment and furnishings	168.2	186.1	202.6	210.2	256.9
Deposits and currency	103.8	112.2	127.9	141.7	166.8
U.S. savings bonds	4.6	4.9	5.2	5.9	6.8
Investments in cooperatives	96.3	102.7	103.6	112.2	147.5
TOTAL FARM DEBT	1,787.6	1,852.8	1,938.2	1,796.5	1,784.8
Real estate debt	714.2	753.9	732.0	680.6	705.2
Nonreal estate debt	1,073.4	1,098.8	1,206.2	1,115.9	1,079.7
EQUITY	10,486.3	10,587.5	9,482.2	8,299.3	8,739.0
RATIOS			Percent		
Equity/assets	85.4	85.1	83.0	82.2	83.0
Debt/equity	17.0	17.5	20.4	21.6	20.4
Debt/assets, total	14.6	14.9	17.0	17.8	17.0
Debt/assets, real estate	6.6	6.8	7.4	7.9	7.8
Debt/assets, nonreal estate and CCC	74.7	79.8	81.3	77.9	71.0
Net farm income/debt	15.9	9.2	25.0	18.1	23.1

1/ Includes farm households.

Source: United States Department of Agriculture, Economic Research Service; Economic Indicators of the Farm Sector, State Financial Summary.

FARM REAL ESTATE DEBT: Amount outstanding by lender, Arizona, December 31, 1979-86 1/

Year	Federal land banks	Farmers Home Administration	Life insurance companies	All operating banks	Individuals and others	Total 2/
			Million dollars			
1979	85	59	197	12	223	575
1980	114	70	217	14	241	656
1981	134	78	220	12	254	698
1982	147	79	220	12	256	714
1983	162	81	239	14	258	754
1984	174	78	224	18	239	732
1985	169	77	159	58	217	681
1986	157	72	161	122	192	705

1/ Includes farm households.
2/ Totals may not add due to rounding.
Source: United States Department of Agriculture, Economic Research Service; Economic Indicators of the Farm Sector, State Financial Summary.

FARM NONREAL ESTATE DEBT: Amount outstanding by lender, December 31, 1979-86 1/

Year	Debt owed to reporting institutions (excluding CCC)					Individuals and others	Commodity Credit Corporation	Total 2/
	All operating banks	Production credit associations	Federal intermediate credit banks	Farmers Home Administration	Total			
				Million dollars				
1979	412	131	1	151	695	230	3/	926
1980	433	131	1	186	751	243	9	1,003
1981	443	181	14	209	847	238	21	1,106
1982	441	175	10	222	848	225	61	1,134
1983	462	191	7	220	880	218	33	1,132
1984	556	210	9	213	988	218	2	1,208
1985	512	202	8	207	929	188	49	1,165
1986	550	183	4	197	934	146	2	1,082

1/ Includes farm households.
2/ Totals may not add due to rounding.
3/ Not available.
Source: United States Department of Agriculture, Economic Research Service; Economic Indicators of the Farm Sector, State Financial Summary.

VALUE OF HOME AGRICULTURAL COMMODITY CONSUMPTION: Arizona, 1982-86 1/

Year	Livestock and Products	Crops	Total
		1,000 Dollars	
1982	6,667	1,270	7,937
1983	4,637	834	5,471
1984	5,771	856	6,627
1985	4,996	889	5,885
1986	3,835	889	4,724

1/ Value of farm products consumed directly in farm households where produced.
Source: United States Department of Agriculture, Economic Research Service; Economic Indicators of the Farm Sector, State Financial Summary.

COMMODITY CREDIT CORPORATION LOANS: Arizona, 1982-86

Year	Net loans 1/	Loans Liquidated 2/
	1,000 dollars	
1982	82,607	1,368
1983	-21,870	9,940
1984	-62,058	10,570
1985	89,682	2,149
1986	-13,733	3,071

1/ Loans made minus loans repaid.
2/ Loans acquired by Commodity Credit Corporation plus loans charged off.
Source: United States Department of Agriculture, Economic Research Service; Economic Indicators of the Farm Sector, State Financial Summary.

FARM INCOME INDICATORS: Arizona, 1982-86

Item	1982	1983	1984	1985	1986
			Million dollars		
Gross farm income 1/	1,794.7	1,717.1	2,052.0	1,822.4	1,751.7
Cash income	1,812.3	1,785.9	1,842.5	1,676.2	1,655.2
Farm marketings	1,649.6	1,586.3	1,651.7	1,506.0	1,495.1
Crops	942.5	841.4	898.6	813.0	796.4
Livestock and products	707.1	744.9	753.1	693.0	698.7
Government payments	59.4	102.9	118.4	95.3	83.6
Other farm income	103.2	96.6	72.4	74.9	76.6
Machine hire/customwork	9.5	6.6	7.8	10.8	6.9
Other farm-related income 2/	93.7	90.0	64.6	64.2	69.6
Noncash income	93.0	90.0	93.8	90.9	78.0
Value of home consumption	7.5	5.5	6.6	5.9	4.7
Rental value of dwellings	85.5	84.5	87.2	85.0	73.3
Operators dwellings	82.3	81.3	84.1	82.2	70.2
Hired laborers dwellings	3.2	3.2	3.1	2.8	3.1
Value of inventory adjustment	-110.6	-158.7	115.7	55.3	18.5
Total production expenses 1/	1,510.2	1,548.9	1,578.3	1,484.4	1,338.2
Intermediate product expenses	869.5	935.7	942.7	859.3	750.0
Farm origin	411.8	485.5	478.3	416.7	351.7
Feed purchased	238.0	293.8	286.2	251.1	206.8
Livestock and poultry purchased	160.1	178.8	177.1	151.2	131.9
Seed purchased	13.7	12.9	14.9	14.5	12.9
Manufactured inputs	230.3	215.3	222.4	213.2	183.1
Fertilizer and lime	60.3	47.7	48.6	43.6	35.1
Pesticides	60.0	58.2	66.8	67.5	60.7
Fuel and oil	62.7	59.6	56.8	52.3	38.1
Electricity	47.3	49.7	50.2	49.8	49.2
Other	227.4	234.9	242.1	229.3	215.2
Repair and operation	37.2	38.0	36.9	37.6	38.3
Other miscellaneous 3/	190.2	197.0	205.3	191.7	176.9
Interest	192.9	184.3	182.1	181.5	165.6
Real estate	58.3	62.5	63.4	65.0	60.0
Nonreal estate	134.6	121.8	118.7	116.6	105.6
Contract and hired labor expenses	197.5	190.9	192.0	192.7	194.4
Cash labor expenses 4/	183.4	177.2	177.5	178.7	182.7
Perquisites	14.1	13.7	14.5	14.0	11.6
Net rent to nonoperator landlords 5/	32.3	29.1	46.6	36.0	31.4
Capital consumption	193.0	181.3	187.5	184.1	165.9
Property taxes	25.1	27.8	27.3	30.8	31.0
NET FARM INCOME	284.4	168.2	473.8	338.0	413.5
Cash income 6/	1,812.3	1,785.9	1,842.5	1,676.2	1,655.2
Cash expenses 6/	1,285.5	1,335.3	1,357.4	1,267.4	1,143.7
Intermediate product expenses	860.1	925.9	932.7	848.5	739.7
Interest	186.7	177.6	175.5	175.7	161.0
Cash labor expenses 4/	183.4	177.2	177.5	178.7	182.7
Net rent to nonoperator landlords 5/	32.3	29.1	46.6	36.0	31.4
Property taxes	23.0	25.5	25.1	28.5	28.9
NET CASH INCOME	526.7	450.5	485.1	408.8	511.5
Cash income	1,812.3	1,785.9	1,842.5	1,676.2	1,655.2
Cash expenses	1,285.5	1,335.3	1,357.4	1,267.4	1,143.7
Capital consumption	162.4	152.1	157.8	157.0	142.5
NET BUSINESS INCOME 7/	364.3	298.4	327.3	251.8	369.0
Gross receipts of farms 8/	1,712.3	1,635.8	1,967.9	1,740.2	1,681.5
Nonfactor payments 6/	1,045.6	1,103.6	1,115.6	1,034.0	911.1
Intermediate product expenses	860.1	925.9	932.7	848.5	739.7
Capital consumption	162.4	152.1	157.8	157.0	142.5
Property taxes	23.0	25.5	25.1	28.5	28.9
Factor payments 6/	666.8	532.2	852.3	706.2	770.4
Interest	186.7	177.6	175.5	175.7	161.0
Contract and hired labor expenses	197.5	190.9	192.0	192.7	194.4
Net rent to nonoperator landlords 5/	32.3	29.1	46.6	36.0	31.4
RETURNS TO OPERATORS 9/	250.3	134.6	438.2	301.8	383.7
Off-farm income 10/	206.5	209.9	217.2	241.1	253.5

1/ Includes operator households. 2/ Includes forest product sales, recreational income, and other farm business-related income. Estimates for 1982 and later include income from custom feeding services. 3/ Includes machine hire and customwork expenses; marketing, storage, and transportation expenses; and miscellaneous expenses. 4/ Includes contract labor expenses, hired labor wages, and Social Security payments. 5/ Uses different data sources for periods before 1983 and 1984 and later. Estimates are not directly comparable among periods. 6/ Excludes operator households. 7/ Cash income less cash expenses and capital consumption. 8/ Gross farm income less rental value of operators' dwellings. 9/ Gross receipts of farms less nonfactor payments, interest, wages to contract and hired labor, and net rent to nonoperator landlords. 10/ Includes off-farm income for member of farm operators' households only.

Source: United States Department of Agriculture, Economic Research Service; Economic Indicators of the Farm Sector, State Financial Summary.

GOVERNMENT PAYMENTS: By program, Arizona, 1982-86

Year	Conservation 1/	Feed grain program	Wheat program	Cotton program	Wool act program	Miscellaneous programs 2/	Total
				1,000 dollars			
1982	1,492	823	1,183	54,733	743	473	59,447
1983	1,520	638	1,113	42,188	1,183	56,282	102,924
1984	6,256	702	3,311	11,655	1,792	94,669	118,385
1985	2,124	1,406	2,861	81,953	1,587	5,361	95,292
1986	1,385	2,606	4,290	65,949	2,096	7,239	83,565

1/ Includes amount paid under agriculture and conservation programs (Agriculture Conservation, Emergency Conservation, and Drought and Flood Conservation).

2/ Includes Dairy Indemnity Program, Payment-In-Kind Program, Rural Clean Water Program, Clean Lakes Program, Forest Incentive Program, Water Bank Program, Emergency Livestock Feed Program, Extended Storage Program, Milk Diversion Program, and Animal and Plant Health Inspection Service Indemnity Program.

Source: United States Department of Agriculture, Economic Research Service; Economic Indicators of the Farm Sector, State Financial Summary.

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS AND GOVERNMENT PAYMENTS: Arizona, 1982-87

Commodity Group	1982	1983	1984	1985	1986	1987 1/
			1,000 dollars			
Cotton lint	443,395	375,372	305,069	244,172	213,027	
Cottonseed	22,090	32,452	32,470	25,521	20,112	
Hay	78,875	81,119	92,153	75,039	74,916	
Wheat	39,035	48,229	47,009	32,634	27,632	
Barley	8,735	6,500	13,725	15,403	6,607	
Corn	6,721	6,099	7,232	6,046	3,987	
Sorghum grain	2,896	3,417	3,021	3,278	1,845	
Lettuce	143,575	84,682	106,300	109,911	125,204	
Cauliflower	14,424	12,250	16,514	19,345	20,498	
Potatoes	9,177	8,404	14,812	11,982	11,982	
Cantaloups	2/	2/	18,476	13,514	23,155	
Watermelons	2/	2/	6,341	6,714	8,586	
Onions	6,899	5,287	7,366	5,386	5,795	
Broccoli	1,866	1,458	2,772	4,620	5,474	
Honeydews	4,643	4,284	5,890	4,235	5,555	
Carrots	5,735	5,370	5,580	3,742	4,316	
Other miscellaneous vegetables	37,036	66,108	27,495	38,723	47,430	
Grapefruit	6,936	6,086	14,521	20,543	9,843	
Oranges	22,575	12,511	16,760	18,385	13,850	
Lemons	18,343	19,064	20,741	36,358	13,158	
Tangerines	5,465	1,832	9,011	9,640	4,818	
Grapes	14,905	15,267	18,265	17,851	25,070	
Other miscellaneous fruits and nuts	14,055	15,065	16,063	15,125	24,252	
All other crops 3/	35,147	30,550	91,025	74,819	99,256	
TOTAL ALL CROPS	942,528	841,406	898,611	812,986	796,368	938,468
Cattle and calves	461,956	495,648	504,388	433,662	425,749	
Hogs	35,011	31,963	28,551	27,462	33,129	
Sheep and lambs	9,660	7,443	7,510	6,884	5,553	
Dairy products	166,387	171,252	168,166	175,754	172,847	
Eggs	4,734	4,628	5,266	4,373	5,344	
Chickens	38	77	62	44	68	
Honey	2/	2/	2,240	2,382	1,964	
Wool	1,326	912	938	982	1,048	
Other livestock and products	28,002	32,979	35,935	41,437	53,021	
TOTAL ALL LIVESTOCK AND PRODUCTS	707,114	744,902	753,056	692,980	698,723	786,574
TOTAL ALL COMMODITIES	1,649,642	1,586,308	1,651,667	1,505,966	1,495,091	1,725,042
GOVERNMENT PAYMENTS	59,447	102,924	118,385	95,292	83,565	
TOTAL CASH RECEIPTS	1,709,089	1,689,232	1,770,052	1,601,258	1,578,656	

1/ Only crop and livestock totals available.

2/ Not available.

3/ Includes miscellaneous field crops, seed crops, and greenhouse/nursery.

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS: Total crops and livestock, Arizona, by counties, 1982-86

County	1982	1983	1984	1985	1986
			1,000 dollars		
Apache	21,156	22,889	23,570	18,750	22,733
Cochise	57,860	59,417	49,655	45,320	49,069
Coconino	15,835	18,455	24,942	22,873	31,826
Gila	10,317	9,237	7,973	5,961	8,553
Graham	41,437	41,836	35,794	30,732	34,356
Greenlee	6,809	8,439	7,696	4,920	6,124
La Paz 1/		70,214	74,863	59,434	47,472
Maricopa	673,602	649,646	688,058	620,308	636,985
Mohave	22,784	24,792	21,368	17,825	15,398
Navajo	30,401	32,702	31,341	27,271	38,605
Pima	48,554	46,202	56,200	43,225	46,260
Pinal	294,665	273,562	281,687	238,658	226,985
Santa Cruz	4,837	6,648	7,513	7,088	8,369
Yavapai	23,303	26,924	31,146	26,660	32,227
Yuma	398,082	295,345	309,861	336,941	290,129
Arizona	1,649,642	1,586,308	1,651,667	1,505,966	1,495,091

1/ La Paz County created from Yuma County in 1983.

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS: Crops, Arizona, by counties, 1982-86

County	1982	1983	1984	1985	1986
			1,000 dollars		
Apache	1,623	3,006	2,763	2,457	1,683
Cochise	35,570	34,028	27,054	24,756	26,067
Coconino	469	661	668	544	2,005
Gila	361	620	586	390	318
Graham	22,400	21,447	18,359	15,514	16,576
Greenlee	1,202	1,848	1,413	814	1,136
La Paz 1/		67,321	73,093	58,581	46,719
Maricopa	366,986	343,757	378,153	328,190	339,996
Mohave	9,670	9,842	8,554	5,459	5,004
Navajo	2,107	3,717	3,202	1,510	1,795
Pima	24,017	19,324	29,043	21,883	18,670
Pinal	170,255	142,151	138,786	116,646	112,685
Santa Cruz	723	905	519	264	350
Yavapai	2,262	3,017	2,309	2,032	2,170
Yuma	304,883	189,762	214,109	233,936	221,194
Arizona	942,528	841,406	898,611	812,986	796,368

1/ La Paz County created from Yuma County in 1983.

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS: Livestock and livestock products, Arizona, by counties, 1982-1986

County	1982	1983	1984	1985	1986
			1,000 dollars		
Apache	19,533	19,883	20,807	16,293	21,050
Cochise	22,290	25,389	22,601	20,554	23,002
Coconino	15,366	17,794	24,274	22,329	29,821
Gila	9,956	8,617	7,387	5,571	8,235
Graham	19,037	20,389	17,435	15,218	17,780
Greenlee	5,607	6,591	6,283	4,106	4,988
La Paz 1/		2,893	1,770	853	753
Maricopa	306,616	305,889	309,905	292,118	296,989
Mohave	13,114	14,950	12,814	12,366	10,394
Navajo	28,294	28,985	28,139	25,761	36,810
Pima	24,537	26,878	27,157	21,342	27,590
Pinal	124,410	131,411	142,901	122,012	114,300
Santa Cruz	4,114	5,743	6,994	6,824	8,019
Yavapai	21,041	23,907	28,837	24,628	30,057
Yuma	93,199	105,583	95,752	103,005	68,935
Arizona	707,114	744,902	753,056	692,980	698,723

1/ La Paz County created from Yuma County in 1983.

RANKING OF STATES PRODUCING MAJOR ARIZONA COMMODITIES: Based on production 1986-87

Commodity	First		Second		Third		Fourth		Fifth		Arizona		Number of states in estimating program
	1986	1987	1986	1987	1986	1987	1986	1987	1986	1987	1986	1987	
All cotton	TX	TX	CA	CA	MS	MS	AZ	AZ	LA	LA	4	4	17
Upland cotton	TX	TX	CA	CA	MS	MS	AZ	LA	LA	AR	4	6	17
American-Pima cotton	AZ	AZ	TX	TX	NM	NM					1	1	3
Cottonseed	TX	TX	CA	CA	MS	MS	AZ	AZ	LA	LA	4	4	17
All hay	WI	CA	MN	WI	SD	TX	CA	MN	IA	SD	31	31	48
Alfalfa hay	WI	WI	MN	CA	CA	MN	SD	IA	IA	SD	25	23	43
All other hay	TX	TX	MO	MO	SD	KY	KS	OK	OK	KS	46	44	48
All wheat	KS	KS	ND	ND	OK	MT	MT	OK	TX	WA	27	31	42
Durum wheat	ND	ND	CA	MT	MT	CA	AZ	AZ	SD	SD	4	4	6
Winter wheat	KS	KS	OK	OK	TX	WA	WA	TX	CO	CO	35	33	42
Barley	ND	ND	MT	MT	ID	ID	MN	MN	WA	WA	21	22	28
Corn for grain	IA	IA	IL	IL	NE	NE	MN	MN	IN	IN	39	40	41
Sorghum for grain	KS	KS	TX	TX	NE	NE	MO	MO	AR	AR	19	19	20
Fresh market vegetables	CA	CA	FL	FL	AZ	AZ	TX	OR	OR	TX	3	3	31
Lettuce	CA	CA	AZ	AZ	FL	FL	NM	CO	NY	NM	2	2	13
Dry onions	CA	CA	OR	OR	TX	CO	CO	ID	ID	TX	10	10	14
Broccoli	CA	CA	TX	TX	OR	AZ	AZ	OR			4	3	4
Carrots	CA	CA	WA	WA	TX	TX	WI	MI	MI	WI	11	11	13
Cauliflower	CA	CA	AZ	AZ	OR	OR	NY	NY	TX	MI	2	2	6
Honeydews	CA	CA	TX	TX	AZ	AZ					3	3	3
Potatoes	ID	ID	WA	WA	OR	OR	ND	ME	ME	ND	26	27	37
All oranges	FL	FL	CA	CA	AZ	AZ	TX	TX			3	3	4
Grapefruit	FL	FL	CA	CA	AZ	AZ	TX	TX			3	3	4
Lemons	CA	CA	AZ	AZ							2	2	2
Tangerines	CA	FL	FL	CA	AZ	AZ					3	3	3
All grapes	CA	CA	NY	WA	WA	NY	PA	PA	MI	MI	6	6	12
All cattle and calves 1/	TX	TX	KS	KS	NE	NE	OK	OK	CA	CA	34	34	50
Cattle on feed 1/	TX	TX	NE	NE	KS	KS	CO	CO	IA	IA	8	8	13
Milk production	WI	WI	CA	CA	NY	NY	MN	MN	PA	PA	24	24	50
Sheep and lambs 1/	TX	TX	CA	CA	WY	WY	CO	CO	SD	SD	12	12	41
Hogs and pigs 2/	IA	IA	IL	IL	MN	IN	IN	MN	NE	NE	28	29	50
Chickens 2/ 3/	CA	CA	IN	IN	PA	GA	GA	AR	AR	OH	43	43	50

1/ January 1 following year inventory.
2/ December 1 inventory.
3/ Average number of hens and pullets of laying age, excluding commercial broilers.

CROP SUMMARY: Acreage harvested, production, and value, Arizona and United States, 1985-87

Crop	Acres harvested			Production				Value		
	1985	1986	1987	Unit	1985	1986	1987	1985	1986	1987
		1,000 acres				Thousands			1,000 Dollars	
ARIZONA										
Barley	62	29	22	Tons	144	70	52	16,959	7,163	4,792
Corn for grain	21	24	20	Tons	62	74	56	6,240	6,204	4,200
Corn for silage	8	13	9	Tons	184	325	207	1/	5,850	4,140
Corn for forage	0	2/		Tons						
Upland Cotton	359.0	249.0	289.0	Bales	928.0	675.0	849.0	259,246	175,932	262,850
American-Pima Cotton	56.3	73.8	90.8	Bales	108.7	148.3	213.0	46,019	63,496	105,307
All Cotton	415.3	322.8	379.8	Bales	1,036.7	823.3	1,062.0	305,265	239,428	368,157
Cottonseed				Tons	389.0	309.0	390.0	30,731	29,355	37,245
Alfalfa Hay	145	155	160	Tons	1,030	1,178	1,248	1/	1/	1/
Other Hay	22	22	30	Tons	79	84	135	1/	1/	1/
All hay	167	177	190	Tons	1,109	1,262	1,383	88,166	88,971	116,172
Sorghum for grain	16	12	11	Tons	36	29	28	3,732	2,401	2,297
Sorghum for silage	2	3	3	Tons	48	57	54	1/	912	1,080
Sorghum for forage	0	2/								
Durum Wheat	46	48	45	Tons	116	125	115	13,563	15,368	12,431
Other Wheat	66	48	44	Tons	178	135	125	20,909	13,987	11,704
All wheat	112	96	89	Tons	294	261	240	34,472	29,355	24,153
Broccoli 3/	1.9	2.9	4.2	Cwt.	177	238	382	4,620	5,474	8,328
Carrots 3/	2.4	2.4	2.0	Cwt.	396	396	400	3,742	4,316	4,240
Cauliflower 3/	4.9	6.1	6.4	Cwt.	564	702	800	19,345	20,498	21,920
Honeydews	2.2	2.8	3.4	Cwt.	385	448	459	4,235	5,555	5,462
Other lettuce	8.7	6.3	5.7	Cwt.	1,653	1,544	1,140	17,357	19,146	22,458
Western lettuce 3/	36.6	32.1	35.2	Cwt.	10,614	8,988	11,616	92,554	106,058	133,584
Dry onions	1.2	1.2	1.3	Cwt.	564	660	585	5,386	5,795	11,993
Potatoes	5.8	5.9	4.9	Cwt.	1,450	1,298	1,348	12,253	9,475	14,154
Grapefruit 3/	7.1	5.7	5.7	Ctn.	6,000	4,800	4,400	16,940	11,589	11,126
Lemons 3/	17.0	16.5	15.8	Ctn.	12,000	6,500	14,200	27,537	48,844	29,186
Oranges 3/	10.9	11.0	10.9	Ctn.	4,900	4,600	6,300	23,225	15,746	19,021
Tangerines 3/	3.4	3.3	3.2	Ctn.	1,400	1,400	1,400	8,691	8,247	8,535
Grapes	5.1	6.3	7.1	Ton	18.5	23.0	31.0	17,908	25,070	21,279
UNITED STATES										
Barley	11,603	12,007	10,027	Tons	14,193	14,653	12,648	1,132,537	993,905	948,618
Corn for grain	75,224	69,159	59,167	Tons	248,548	230,996	197,796	19,521,975	12,541,426	12,362,250
Corn for silage	7,160	6,274	5,872	Tons	102,753	88,660	85,586	1/	1/	1/
Corn for forage	306	2/		Tons	1/			1/		
Upland Cotton	10,145.4	8,367.3	9,898.7	Bales	13,277.1	9,525.2	14,475.3	3,559,718	2,360,228	4,405,318
American-Pima Cotton	83.6	111.1	136.6	Bales	155.1	205.9	284.6	68,394	88,883	141,706
All cotton	10,229.0	8,468.4	10,035.3	Bales	13,432.2	9,731.1	14,759.9	3,628,112	2,449,111	4,547,024
Cottonseed				Tons	5,279.2	3,800.9	5,769.2	347,640	303,965	474,703
Alfalfa Hay	25,608	26,793	25,485	Tons	85,048	91,552	84,554	1/	1/	1/
Other Hay	34,815	35,626	35,263	Tons	63,553	63,977	64,588	1/	1/	1/
All hay	60,423	62,419	60,748	Tons	148,601	155,529	149,142	9,437,282	8,610,996	9,813,544
Sorghum for grain	16,782	13,859	10,604	Tons	31,368	26,267	20,744	2,243,450	1,322,196	1,155,756
Sorghum for silage	534	500	424	Tons	6,566	5,898	5,157	1/	1/	1/
Sorghum for forage	796	2/			1/			1/		
Durum Wheat	3,094	2,877	3,279	Tons	3,375	2,937	2,779	362,036	271,276	291,744
Other Spring Wheat	13,687	14,641	13,334	Tons	14,549	14,167	13,491	1,582,574	1,189,733	1,181,591
Winter Wheat	47,953	43,205	39,317	Tons	54,828	46,645	46,887	5,429,571	3,583,338	3,875,982
All wheat	64,734	60,723	55,930	Tons	72,753	62,749	63,156	7,374,181	5,044,347	5,371,133
Broccoli	109.5	119.1	120.2	Cwt.	10,627	11,529	11,432	239,345	239,739	238,846
Carrots	90.1	86.1	93.1	Cwt.	22,916	23,434	25,539	206,426	235,942	215,870
Cauliflower	61.2	67.8	66.1	Cwt.	6,664	7,527	7,375	169,133	191,863	187,555
Honeydews	25.7	28.8	28.6	Cwt.	4,758	5,438	4,811	58,055	69,132	69,293
All lettuce	225.7	216.0	221.3	Cwt.	61,804	58,622	58,103	675,270	701,341	856,815
Dry onions	122.8	115.3	123.7	Cwt.	45,059	43,301	44,997	347,247	427,669	503,666
Potatoes	1,361.1	1,219.6	1,282.1	Cwt.	407,109	361,511	385,774	1,570,600	1,808,483	1,701,580
Grapefruit 3/	162.8	145.2	145.9	Ctn.	111,600	114,940	126,050	308,537	340,012	413,782
Lemons 3/	66.6	66.7	63.8	Ctn.	51,600	36,700	57,200	168,051	219,270	182,076
Oranges 3/	617.6	561.6	567.6	Ctn.	317,500	351,420	364,450	1,459,334	1,092,225	1,263,627
Tangerines 3/	18.1	16.4	15.4	Ctn.	8,440	8,900	10,540	60,269	58,919	67,059
Grapes	782.6	770.6	761.2	Tons	5,607	5,226	5,204	959,108	1,173,038	1,291,312

1/ Not available. 2/ Estimates discontinued. 3/ Crop season.

LIVESTOCK SUMMARY: Inventory and value, Arizona and United States, 1984-88

Specie and class	Inventory 1/					Value 2/				
	1984	1985	1986	1987	1988	1984	1985	1986	1987	1988
	1,000 Head					1,000 Dollars				
ARIZONA										
ALL CATTLE AND CALVES 3/	980	1,050	1,050	1,000	960	377,300	414,750	393,750	385,000	480,000
Beef cows	268	272	293	268	260					
Milk cows	82	83	88	87	90					
Beef cow replacement heifers	32	37	47	54	51					
Milk cow replacement heifers	15	18	21	20	19					
Other heifers 500 pounds and over	14	10	10	18	14					
Steers 500 pounds and over	305	350	306	285	299					
Bulls 500 pounds and over	24	30	31	30	27					
Calves under 500 pounds	240	250	254	238	200					
Cattle on feed 4/	407	419	344	343	351					
ALL HOGS 5/	150	170	175	155	130	11,700	15,640	13,913	17,360	12,155
Breeding hogs	18	20	20	18	14					
Market hogs	132	150	155	137	116					
Under 60 pounds	51	51	55	39	34					
60-119 pounds	30	40	45	37	30					
120-179 pounds	27	31	34	37	29					
180 pounds and over	24	28	21	24	23					
ALL SHEEP AND LAMBS 3/	306	266	278	283	284	21,267	16,492	18,487	19,244	25,986
Stock sheep	261	232	246	219	237					
Ewes one year or older	178	148	161	144	180					
Rams & wethers one year or older	12	11	14	11	12					
Ewe lambs	48	48	44	41	28					
Wether and ram lambs	23	25	27	23	17					
Sheep and lambs on feed	45	34	32	64	47					
ALL CHICKENS 5/	400	490	460	528	385	780	980	713	1,188	616
Hens and pullets of laying age	380	462	380	480	370					
UNITED STATES										
ALL CATTLE AND CALVES 3/	113,700	109,749	105,468	102,000	98,994	44,975,575	44,138,618	41,279,749	41,482,765	51,807,580
Beef cows	37,494	35,370	33,633	33,779	32,968					
Milk cows	11,109	10,805	11,177	10,502	10,307					
Beef cow replacement heifers	6,183	5,542	5,149	5,164	5,155					
Milk cow replacement heifers	4,532	4,760	4,761	4,331	4,111					
Other heifers 500 pounds and over	7,851	8,056	8,090	7,561	7,812					
Steers 500 pounds and over	16,371	16,369	15,967	15,304	15,592					
Bulls 500 pounds and over	2,549	2,411	2,261	2,204	2,163					
Calves under 500 pounds	27,611	26,436	24,431	23,154	20,895					
Cattle on feed 4/	11,594	12,458	11,497	10,963	11,527					
ALL HOGS 5/	56,694	54,073	52,313	50,920	53,795	3,330,803	4,055,724	3,640,368	4,679,398	4,096,647
Breeding hogs	7,391	6,933	6,783	6,671	7,021					
Market hogs	49,303	47,140	45,530	44,250	46,774					
Under 60 pounds	19,028	18,071	17,301	16,756	17,230					
60-119 pounds	12,626	12,013	11,700	11,228	11,902					
120-179 pounds	9,985	9,610	9,320	9,106	9,625					
180 pounds and over	7,664	7,446	7,210	7,159	8,017					
ALL SHEEP AND LAMBS 3/	11,487	10,443	9,983	10,334	10,774	598,904	637,873	673,048	782,108	968,918
Stock sheep	9,769	8,847	8,491	8,826	8,993					
Ewes one year or older	7,874	7,233	6,817	6,847	7,077					
Rams & wethers one year or older	340	314	310	320	327					
Ewe lambs	1,237	1,016	1,048	1,296	1,266					
Wether and ram lambs	318	284	318	363	324					
Sheep and lambs on feed	1,718	1,596	1,492	1,508	1,781					
ALL CHICKENS 5/	364,880	374,008	368,548	369,131	377,516	716,700	754,312	700,150	690,818	706,079
Hens and pullets of laying age	278,517	285,848	279,769	279,940	285,529					

1/ Totals may not add due to rounding. 2/ Annual average value published only for the total inventory number. 3/ Estimates are based on January 1 of the current year. 4/ Total cattle on feed included in other classes. 5/ Estimates are based on December 1 of the previous year.

CROP RECORDS: Acreage, yield, and production, Arizona

Crop	Date series began	Record	Acreage		Yield			Production		
			Harvested	Year 1/	Unit	Per Acre	Year 1/	Unit	Total	Year 1/
			1,000 acres						Thousands	
All Cotton	1912	High	690.0	1953	Pounds	1,342.0	1987	Bales	1,609.7	1981
		Low	0.4	1912		212.0	1920		0.3	1912
Upland Cotton	1917	High	648.5	1953	Pounds	1,410.0	1987	Bales	1,556.0	1981
		Low	8.0	1917		228.0	1922		7.1	1917
American-Pima Cotton	1912	High	200.0	1920	Pounds	1,126.0	1987	Bales	213.0	1987
		Low	0.3	1947		180.0	1943		0.2	1947
Cottonseed	1917	High						Tons	631	1981
		Low							10	1917
All Hay	1909	High	332	1944	Tons	7.28	1987	Tons	1,438	1973
		Low	98	1909		1.97	1940		237	1909
Alfalfa Hay	1919	High	237	1944	Tons	7.80	1987	Tons	1,348	1973
		Low	82	1920		2.20	1940		238	1920
All Wheat	1909	High	431	1976	Pounds	5,590	1983	Tons	970	1976
		Low	15	1954		870	1941		9	1910
Durum Wheat	1976	High	319	1976	Pounds	5,400	1984	Tons	718	1976
		Low	46	1985		4,200	1978		115	1987
Other Wheat	1964	High	260	1975	Pounds	5,760	1983	Tons	546	1975
		Low	23	1966		2,400	1966		28	1966
Barley	1909	High	268	1954	Pounds	4,900	1983	Tons	334	1954
		Low	8	1928		1,200	1922		6	1928
Corn for Grain	1919	High	50	1978	Pounds	7,620	1983	Tons	161	1978
		Low	9	1973		520	1984		6	1924
Corn for Silage	1919	High	18	1978	Tons	25.0	1986	Tons	360	1978
		Low	2	1934		5.0	1935		10	1934
Sorghum for Grain	1919	High	246	1967	Pounds	5,040	1987	Tons	558	1967
		Low	11	1987		1,180	1925		7	1925
Sorghum for Silage	1929	High	50	1957	Tons	24.0	1985	Tons	700	1957
		Low	2	1985		9.0	1936		40	1984
Potatoes	1899	High	12.8	1969	Cwt.	305.0	1984	Cwt.	2,944	1969
		Low	1.0	1912		18.0	1900		18	1900
All Oranges	1919/20	High						Cartons	10,520	1968/69
		Low							108	1927/28
Navel Oranges	1934/35	High						Cartons	2,300	1968/69
		Low							194	1934/35
Valencia Oranges	1934/35	High						Cartons	8,220	1968/69
		Low							146	1936/37
Grapefruit	1919/20	High						Cartons	8,200	1946/47
		Low							58	1919/20
Lemons	1958/59	High						Cartons	14,400	1974/75
		Low							680	1958/59
Tangerines	1964/65	High						Cartons	2,300	1983/84
		Low							380	1964/65
All Grapes	1909	High						Tons	31,000	1987
		Low							250	1920

1/ These are the latest years that records were achieved. In some cases these records were equaled in several earlier years.

FIELD CROPS

GENERAL: When reflecting upon Arizona agriculture in 1987, it will most likely be remembered as the year of the cotton farmer. Once again, cotton producers realized record high yields as well as higher prices in the market. For the 1987 crop year, cotton and hay were actually the only field crops to show increased harvested acres with all grain crops showing declines from the previous year. Following is a brief review of the major field crop activities for the 1987 crop year.

COTTON: By the third week of January 1987, plowdown of the previous year's cotton crop had been completed in Yuma County and furrowing and pre-irrigation were underway in preparation for the new crop. Planting got underway on a very limited scale in Yuma County by the third week of February. Plantings in western Arizona progressed at a fairly slow pace through the first half of March due to less than favorable planting conditions. Cotton planting was underway in central Arizona by the end of March, however, many growers delayed planting because of low soil temperatures. Hardly half of the state's cotton acreage had been planted by mid-April which was well below normal progress. Weather conditions greatly improved toward the end of April accelerating planting rates statewide and encouraging stand establishment. By the third week of May, some cotton was squaring in Yuma County as growing conditions remained favorable. Some early planted fields in the west had begun to set bolls by June 1 with only slight weed infestation reported. With cool night temperatures and a delay in the monsoons during July, growers across the state reported a heavy boll set on cotton plants and expressed enthusiasm about the crop's prospects. By the end of July, bolls were maturing and opening at a rapid pace with a good boll set reported. Insect infestation remained relatively light throughout the summer growing season. Cotton harvest got underway in Yuma County by the end of August on a very limited scale. During September, harvest slowly spread toward the central and eastern part of the state with some irrigation continuing in late planted fields. Rains and some scattered hail brought cotton harvest to a virtual standstill across the state the first week of November. Harvest of the state's cotton crop was quickly winding down before Christmas when precipitation and freezing temperatures arrived and prolonged the season. Stalk shredding and plowdown was nearly complete by the end of January in preparation for the new year's crop. With nearly ideal conditions throughout the year, Arizona cotton growers had realized record yields.

WHEAT: Planting of the 1987 wheat crop was underway by mid-November 1986 and continued into early 1987 with growers indicating smaller acreages than the previous year. During January 1987, cold weather significantly slowed the growth of the state's wheat fields, however, the crop was reported to be in good condition as the month came to a close. By the middle of March, some acreage in western and central areas had begun heading. Another cold snap the end of March once again slowed development but some fields in Pinal County had begun to turn color by the first week of April. Harvest of some wheat acreage had begun in western Arizona by the end of May. Combining of the crop began winding down by the first week of July with average to above average yields reported in most producing areas.

SORGHUM AND CORN: Seedbed preparation got underway for sorghum by the end of February. Plantings became active during April and continued through the end of June. Throughout early summer the state's sorghum acreage made good progress with favorable weather conditions prevailing. By mid-August, sorghum remaining to be harvested for grain had begun heading out. Harvest finally got underway during October in the southeast portion of the state, while aphids presented a problem in fields in western Arizona. Planting of the state's 1987 corn crop got underway in early February in La Paz County with other areas gaining momentum during the month of March. Arizona's corn acreage made excellent progress throughout the growing season with some corn silage being cut in La Paz County by the first week of July. Growers actively cut corn silage as the summer season progressed with grain harvest advancing rapidly during August.

ALFALFA: Favorable weather provided excellent conditions for alfalfa plantings during October and early November 1986. Frost damage was reported in some areas in early 1987, but the extent of the damage was fairly minimal. Livestock grazing was light to moderate throughout early 1987 with the new crop of alfalfa remaining in mostly good condition. The first cuttings of the 1987 alfalfa hay crop got well underway the first part of March in Yuma and La Paz counties with central area harvest gaining momentum toward month's end. Weed and disease infestations were moderate throughout the state during 1987. The quality of hay was fairly good throughout the summer, but many growers stacked their hay due to weak market prices. By October, many producers had made their final cuttings and had begun sheeping off their fields.

UPLAND COTTON: Acreage, yield, and production, Arizona, by counties, 1983-87 1/

County and year	Planted	Harvested	Yield per harvested acre	Production	County and year	Planted	Harvested	Yield per harvested acre	Production
	Acres		Lbs.	Bales		Acres		Lbs.	Bales
APACHE					COCHISE				
1983	0				1983	16,900	16,400	720	24,600
1984	0				1984	16,700	16,600	671	23,200
1985	0				1985	15,000	15,000	784	24,500
1986	0				1986	11,100	11,000	877	20,100
1987	0				1987	12,900	12,800	821	21,900
COCONINO					GILA				
1983	0				1983	0			
1984	0				1984	0			
1985	0				1985	0			
1986	0				1986	0			
1987	0				1987	0			
GRAHAM					GREENLEE				
1983	8,800	7,850	783	12,800	1983	660	660	989	1,360
1984	12,000	12,000	828	20,700	1984	1,020	1,020	871	1,850
1985	10,600	10,600	860	19,000	1985	800	800	870	1,450
1986	8,800	8,800	1,036	19,000	1986	800	800	960	1,600
1987	9,000	8,900	1,014	18,800	1987	900	900	907	1,700
LA PAZ					MARICOPA				
1983	20,900	20,800	1,191	51,600	1983	115,200	114,300	1,340	319,000
1984	34,300	34,300	1,122	80,200	1984	186,000	185,300	1,300	502,000
1985	28,500	28,500	1,196	71,000	1985	152,000	151,400	1,297	409,100
1986	16,800	16,800	1,366	47,800	1986	102,600	102,400	1,331	284,000
1987	23,600	23,600	1,379	67,800	1987	119,800	119,600	1,468	365,800
MOHAVE					NAVAJO				
1983	3,540	3,540	968	7,140	1983	0			
1984	5,680	5,680	883	10,450	1984	0			
1985	3,600	3,600	1,000	7,500	1985	0			
1986	4,100	4,100	1,124	9,600	1986	0			
1987	4,500	4,500	1,301	12,200	1987	0			
PIMA					PINAL				
1983	10,100	8,250	931	16,000	1983	79,000	76,400	1,246	198,400
1984	15,500	15,300	1,089	34,700	1984	120,200	120,200	1,306	327,000
1985	13,000	13,000	947	25,650	1985	107,000	106,700	1,310	291,200
1986	7,800	7,600	1,137	18,000	1986	78,600	78,400	1,356	221,500
1987	8,600	8,500	1,203	21,300	1987	83,500	83,200	1,477	256,000
SANTA CRUZ					YAVAPAI				
1983	0				1983	0			
1984	0				1984	0			
1985	0				1985	0			
1986	0				1986	0			
1987	0				1987	0			
YUMA					ARIZONA				
1983	35,900	35,800	1,262	94,100	1983	291,000	284,000	1,225	725,000
1984	38,600	38,600	1,205	96,900	1984	430,000	429,000	1,227	1,097,000
1985	29,500	29,400	1,283	78,600	1985	360,000	359,000	1,241	928,000
1986	19,400	19,100	1,342	53,400	1986	250,000	249,000	1,301	675,000
1987	27,200	27,000	1,484	83,500	1987	290,000	289,000	1,410	849,000

1/ Production estimates are for 480 pound net weight bales.

UPLAND COTTON: Acreage, yield, production, and value, Arizona, 1983-87 1/

Year	Planted	Harvested	Yield per harvested acre	Lint		
				Production	Marketing year average price 2/	Value of production
	1,000 acres		Lbs.	1,000 bales	Cents per lb.	1,000 Dol.
1983	291.0	284.0	1,225	725.0	68.3	237,684
1984	430.0	429.0	1,227	1,097.0	60.1	316,463
1985	360.0	359.0	1,241	928.0	58.2	259,246
1986	250.0	249.0	1,301	675.0	54.3	175,932
1987	290.0	289.0	1,410	849.0	64.5	262,850

1/ Production estimates are for 480 pound net weight bales.

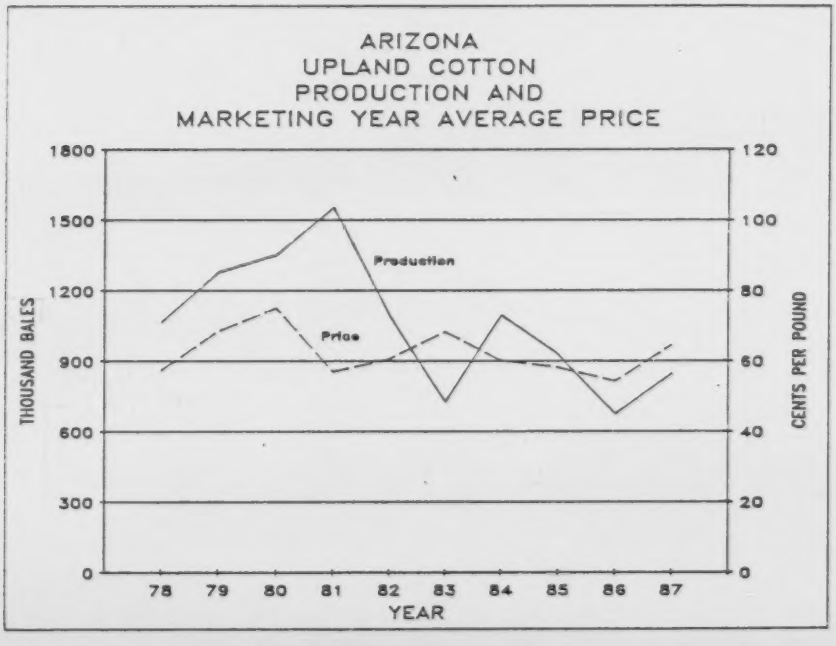
2/ Average price for the August through July marketing season. Prices do not include an allowance for loans outstanding and government purchases.

UPLAND COTTON: Farm marketings, Arizona, 1982/83-1986/87

Crop year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
	Percent											
1982/83	.8	3.8	9.6	20.0	15.9	16.3	16.3	4.6	2.5	1.9	3.5	4.8
1983/84	3.3	1.2	26.8	25.2	14.2	7.3	6.1	4.3	6.8	2.1	2.1	.6
1984/85	0	2.7	19.4	30.6	19.8	14.7	5.1	2.6	1.7	1.0	1.4	1.0
1985/86	.7	2.3	8.0	12.8	13.1	19.7	3.6	1.9	2.5	2.5	19.7	13.2
1986/87	1.0	5.9	2.2	24.5	31.4	13.0	4.0	3.1	5.5	4.2	3.6	1.6

UPLAND COTTON: Monthly and marketing year average prices received by growers, Arizona, 1983/84-1987/88

Crop year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Marketing year average
	Cents per pound												
1983/84	78.6	67.1	62.1	69.3	72.1	66.4	65.6	69.3	67.4	68.0	64.6	58.6	68.3
1984/85	--	56.2	62.6	62.8	60.0	57.6	47.9	50.8	60.4	62.0	59.7	63.8	60.1
1985/86	55.1	58.9	60.1	58.0	57.7	54.3	51.4	57.7	57.9	61.5	59.4	62.9	58.2
1986/87	64.7	55.6	52.4	50.2	55.7	54.6	53.0	49.0	49.8	54.7	68.6	71.0	54.3
1987/88	76.8	65.4	63.1	64.8	66.0	67.0	62.7	59.4	62.7				64.5



AMERICAN PIMA COTTON: Acreage, yield, and production, Arizona, by counties, 1983-87 1/

County and year	Planted	Harvested	Yield per harvested acre	Production	County and year	Planted	Harvested	Yield per harvested acre	Production
	Acres		Lbs.	Bales		Acres		Lbs.	Bales
APACHE					COCHISE				
1983	0				1983	860	860	603	1,080
1984	0				1984	1,190	1,190	714	1,770
1985	0				1985	2,200	2,200	676	3,100
1986	0				1986	2,500	2,500	691	3,600
1987	0				1987	2,100	2,100	869	3,800
COCONINO					GILA				
1983	0				1983	0			
1984	0				1984	0			
1985	0				1985	0			
1986	0				1986	0			
1987	0				1987	0			
GRAHAM					GREENLEE				
1983	7,900	7,900	656	10,800	1983	0			
1984	9,400	9,400	746	14,600	1984	0			
1985	11,140	11,140	741	17,200	1985	*			
1986	11,800	11,800	842	20,700	1986	0			
1987	12,800	12,700	801	21,200	1987	0			
LA PAZ					MARICOPA				
1983	3,840	3,830	952	7,600	1983	6,850	6,850	876	12,500
1984	7,650	7,650	759	12,100	1984	13,900	13,800	810	23,300
1985	3,600	3,600	820	6,150	1985	13,100	13,050	1,030	28,000
1986	3,400	3,400	932	6,600	1986	17,800	17,700	941	34,700
1987	4,800	4,800	940	9,400	1987	22,300	22,300	1,248	58,000
MOHAVE					NAVAJO				
1983	0				1983	0			
1984	0				1984	0			
1985	0				1985	0			
1986	0				1986	0			
1987	0				1987	0			
PIMA					PINAL				
1983	1,540	1,450	543	1,640	1983	8,400	8,300	758	13,100
1984	1,230	1,180	683	1,680	1984	17,000	16,950	976	34,450
1985	1,370	1,370	701	2,000	1985	24,900	24,750	1,007	51,900
1986	3,200	3,200	840	5,600	1986	33,200	33,100	1,066	73,500
1987	3,400	3,400	847	6,000	1987	42,100	42,100	1,214	106,500
SANTA CRUZ					YAVAPAI				
1983	0				1983	0			
1984	0				1984	0			
1985	0				1985	0			
1986	0				1986	0			
1987	0				1987	0			
YUMA					ARIZONA				
1983	110	110	785	180	1983	29,500	29,300	768	46,900
1984	130	130	738	200	1984	50,500	50,300	841	88,100
1985	*				1985	56,500	56,300	927	108,700
1986	2,100	2,100	823	3,600	1986	74,000	73,800	965	148,300
1987	3,500	3,400	1,144	8,100	1987	91,000	90,800	1,126	213,000

1/ Production estimates are for 480 pound net weight bales.

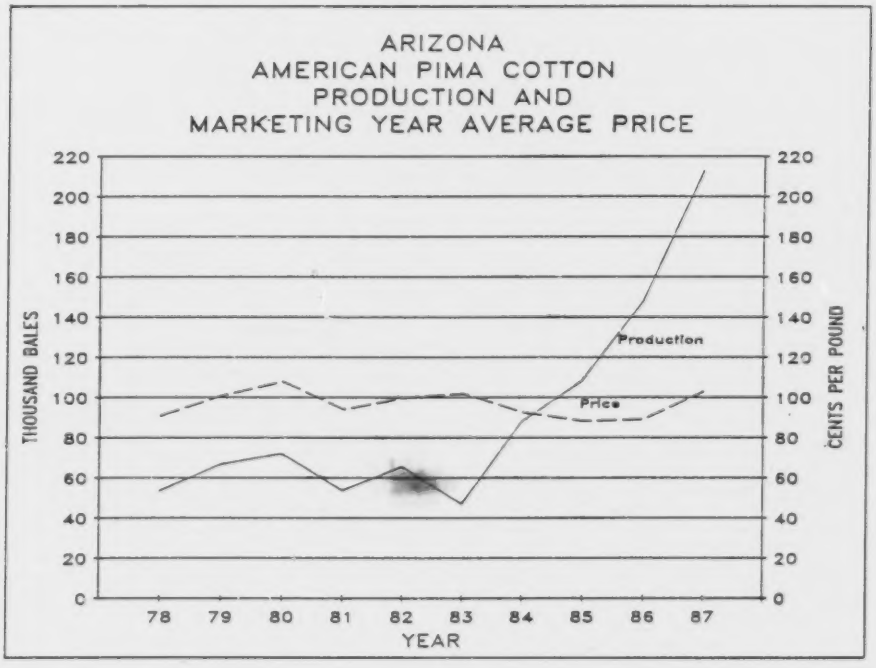
* Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.

AMERICAN PIMA COTTON: Acreage, yield, production, and value, Arizona, 1983-87 1/

Year	Planted	Harvested	Yield per harvested acre	Lint		
				Production	Marketing year average price 2/	Value of production
	1,000 acres		Lbs.	1,000 bales	Cents per lb.	1,000 dol.
1983	29.5	29.3	768	46.9	102.0	22,962
1984	50.5	50.3	841	88.1	92.5	39,116
1985	56.5	56.3	927	108.7	88.2	46,019
1986	74.0	73.8	965	148.3	89.2	63,496
1987	91.0	90.8	1,126	213.0	103.0	105,307

1/ Production estimates are for 480 pound net weight bales.

2/ Average price for the August through July marketing season. Prices do not include an allowance for loans outstanding and government purchases.



ALL COTTON: Acreage, yield, and production, Arizona, by counties, 1983-87 1/

County and year	Planted	Harvested	Yield per harvested acre	Production	County and year	Planted	Harvested	Yield per harvested acre	Production
	Acres		Lbs.	Bales		Acres		Lbs.	Bales
APACHE					COCHISE				
1983	0				1983	17,760	17,260	714	25,680
1984	0				1984	17,890	17,790	674	24,970
1985	0				1985	17,200	17,200	770	27,600
1986	0				1986	13,600	13,500	843	23,700
1987	0				1987	15,000	14,900	828	25,700
COCONINO					GILA				
1983	0				1983	0			
1984	0				1984	0			
1985	0				1985	0			
1986	0				1986	0			
1987	0				1987	0			
GRAHAM					GREENLEE				
1983	16,700	15,750	719	23,600	1983	660	660	989	1,360
1984	21,400	21,400	792	35,300	1984	1,020	1,020	871	1,850
1985	21,740	21,740	799	36,200	1985	840	840	857	1,500
1986	20,600	20,600	925	39,700	1986	800	800	960	1,600
1987	21,800	21,600	889	40,000	1987	900	900	907	1,700
LA PAZ					MARICOPA				
1983	24,740	24,630	1,154	59,200	1983	122,050	121,150	1,313	331,500
1984	41,950	41,950	1,056	92,300	1984	199,900	199,100	1,266	525,300
1985	32,100	32,100	1,154	77,150	1985	165,100	164,450	1,276	437,100
1986	20,200	20,200	1,293	54,400	1986	120,400	120,100	1,274	318,700
1987	28,400	28,400	1,305	77,200	1987	142,100	141,900	1,434	423,800
MOHAVE					NAVAJO				
1983	3,540	3,540	968	7,140	1983	0			
1984	5,680	5,680	883	10,450	1984	0			
1985	3,600	3,600	1,000	7,500	1985	0			
1986	4,100	4,100	1,124	9,600	1986	0			
1987	4,500	4,500	1,301	12,200	1987	0			
PIMA					PINAL				
1983	11,640	9,700	873	17,640	1983	87,400	84,700	1,199	211,500
1984	16,730	16,480	1,060	36,380	1984	137,200	137,150	1,265	361,450
1985	14,370	14,370	924	27,600	1985	131,900	131,450	1,253	343,100
1986	11,000	10,800	1,049	23,600	1986	111,800	111,500	1,270	295,000
1987	12,000	11,900	1,101	27,300	1987	125,600	125,300	1,389	362,500
SANTA CRUZ					YAVAPAI				
1983	0				1983	0			
1984	0				1984	0			
1985	0				1985	0			
1986	0				1986	0			
1987	0				1987	0			
YUMA					ARIZONA				
1983	36,010	35,910	1,260	94,280	1983	320,500	313,300	1,183	771,900
1984	38,730	38,730	1,203	97,100	1984	480,500	479,300	1,187	1,185,100
1985	29,650	29,550	1,282	78,900	1985	416,500	415,300	1,198	1,036,700
1986	21,500	21,200	1,291	57,000	1986	324,000	322,800	1,224	823,300
1987	30,700	30,400	1,446	91,600	1987	381,000	379,800	1,342	1,062,000

1/ Production estimates are for 480 pound net weight bales.

ALL COTTON: Acreage, yield, production, and value, Arizona, 1983-87 1/

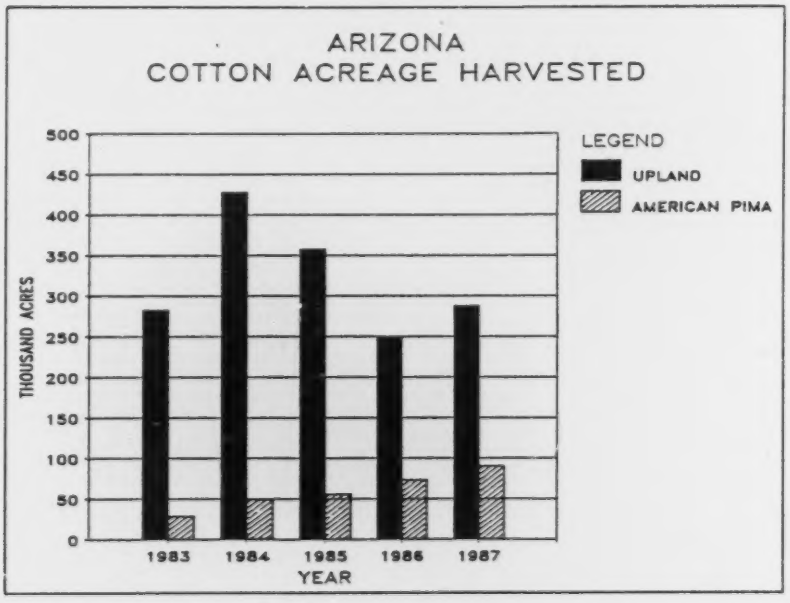
Year	Planted	Harvested	Yield per harvested acre	Production	Value of production
	1,000 acres		Lbs.	1,000 bales	1,000 Dol.
1983	320.5	313.3	1,183	771.9	260,646
1984	480.5	479.3	1,187	1,185.1	355,579
1985	416.5	415.3	1,198	1,036.7	305,265
1986	324.0	322.8	1,224	823.3	239,428
1987	381.0	379.8	1,342	1,062.0	368,157

1/ Production estimates are for 480 pound net weight bales.

COTTONSEED: Production, disposition, price, and value, Arizona, 1983-87

Year	Production	Farm disposition		Used for planting 2/	Marketing year average price 3/	Value of production	Value of sales to oil mills
		Sales to oil mills	Other uses 1/				
	1,000 tons				Dol. per ton	1,000 dollars	
1983	302.4	201.3	101.1	4.8	171.00	51,710	34,422
1984	464.5	311.1	153.4	4.2	101.00	46,915	31,421
1985	389.0	268.0	121.0	2.9	79.00	30,731	21,172
1986	309.0	253.0	56.0	2.6	95.00	29,355	24,035
1987	390.0	257.0	133.0	4.0	95.50	37,245	24,544

1/ Includes planting seed, exports, inter-farm sales, shrinkage, losses, and other uses.
2/ Included in "other" farm disposition. Planting seed from previous year's crop.
3/ Average price for the August through July marketing season.



DURUM WHEAT: Acreage, yield, and production, Arizona, by counties, 1983-87

County and year	Planted for all purposes	FOR GRAIN			County and year	Planted for all purposes	FOR GRAIN		
		Harvested	Yield per acre	Production			Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/		Acres		Lbs. 1/	Tons 1/
APACHE					COCHISE				
1983	0				1983	0			
1984	0				1984	*			
1985	*				1985	*			
1986	*				1986	*			
1987	*				1987	*			
COCONINO					GILA				
1983	0				1983	*			
1984	0				1984	*			
1985	*				1985	0			
1986	*				1986	0			
1987	*				1987	0			
GRAHAM					GREENLEE				
1983	400	400	6,540	1,310	1983	200	200	6,000	600
1984	500	500	5,700	1,420	1984	*			
1985	*				1985	*			
1986	1,100	1,100	6,420	3,530	1986	*			
1987	800	800	5,100	2,040	1987	*			
LA PAZ					MARICOPA				
1983	2,000	1,900	5,700	5,410	1983	24,100	18,200	5,790	52,690
1984	2,800	2,800	5,820	8,150	1984	31,300	30,800	6,060	93,320
1985	5,500	5,500	5,260	14,460	1985	15,200	15,100	5,500	41,080
1986	4,000	4,000	5,100	10,200	1986	16,000	15,800	5,570	44,050
1987	4,500	4,500	4,730	10,650	1987	12,000	11,800	5,550	32,730
MOHAVE					NAVAJO				
1983	3,000	3,000	5,280	7,920	1983	0			
1984	*				1984	0			
1985	0				1985	*			
1986	0				1986	*			
1987	0				1987	*			
PIMA					PINAL				
1983	4,000	3,800	5,130	9,750	1983	26,100	22,400	5,040	56,450
1984	5,000	4,900	4,560	11,170	1984	30,500	29,300	4,710	69,030
1985	1,000	900	5,090	2,290	1985	18,500	18,300	4,490	41,070
1986	1,500	1,200	5,100	3,060	1986	16,400	15,900	4,740	37,670
1987	*				1987	15,300	14,800	4,630	34,260
SANTA CRUZ					YAVAPAI				
1983	*				1983	0			
1984	0				1984	0			
1985	0				1985	0			
1986	0				1986	0			
1987	0				1987	0			
YUMA					ARIZONA				
1983	5,000	4,900	5,660	13,860	1983	65,000	55,000	5,400	148,500
1984	7,600	7,400	5,940	21,980	1984	82,000	80,000	5,400	216,000
1985	5,800	5,700	5,350	15,240	1985	47,000	46,000	5,040	115,920
1986	8,900	8,900	5,530	24,610	1986	49,000	48,000	5,220	125,280
1987	10,800	10,800	5,560	30,000	1987	46,000	45,000	5,100	114,750

1/ Converted from 60 pound bushels and rounded.

* Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.

DURUM WHEAT: Acreage, yield, production, price, and value, Arizona, 1983-87

Year	Planted for all purposes	FOR GRAIN				
		Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	1,000 acres		Lbs. 2/	Tons 2/	Dol. per ton 2/	1,000 dol.
1983	65	55	5,400	148,500	135.70	20,147
1984	82	80	5,400	216,000	140.70	30,384
1985	47	46	5,040	115,920	117.00	13,563
1986	49	48	5,220	125,280	122.70	15,368
1987	46	45	5,100	114,750	108.30	12,431

1/ Average price for the May through April marketing season. Prices do not include an allowance for loans outstanding and government purchases.

2/ Converted from 60 pound bushels and rounded.

DURUM WHEAT: Farm marketings, Arizona, 1982/83-1986/87

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
	Percent											
1982/83	13	60	12	2	1	2	1	2	2	3	1	1
1983/84	20	35	25	5	5	3	1	2	1	1	1	1
1984/85	25	45	10	1	1	4	5	1	3	1	1	3
1985/86	25	50	10	1	1	1	1	1	1	1	5	3
1986/87	52	37	2	1	1	1	1	1	1	1	1	1

DURUM WHEAT: Monthly and marketing year average prices received by growers, Arizona, 1983/84-1987/88

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Marketing year average
	Dollars per ton												
1983/84	139.70	131.00	135.00	138.30	133.00	140.00	135.00	135.00	130.00	130.30	--	153.70	135.70
1984/85	152.30	136.00	135.30	--	--	147.70	144.30	129.70	145.00	--	120.00	126.00	140.70
1985/86	115.00	117.30	118.00	110.00	--	--	--	--	125.70	141.30	125.00	130.00	117.00
1986/87	120.30	121.30	122.70	99.70	110.00	120.00	--	--	--	120.00	--	--	122.70
1987/88	103.00	104.30	100.00	--	--	131.00	--	127.00	128.30	134.70	--	--	108.30

OTHER WHEAT: Acreage, yield, and production, Arizona, by counties, 1983-87

County and year	Planted for all purposes	FOR GRAIN			County and year	Planted for all purposes	FOR GRAIN		
		Harvested	Yield per acre	Production			Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/		Acres		Lbs. 1/	Tons 1/
APACHE					COCHISE				
1983	200	200	2,550	260	1983	1,500	1,400	5,520	3,860
1984	*				1984	*			
1985	*				1985	*			
1986	*				1986	*			
1987	*				1987	*			
COCONINO					GILA				
1983	500	400	3,900	780	1983	*			
1984	*				1984	*			
1985	*				1985	*			
1986	*				1986	0			
1987	*				1987	0			
GRAHAM					GREENLEE				
1983	4,800	4,500	5,850	13,160	1983	800	800	5,160	2,060
1984	4,400	4,300	5,640	12,130	1984	*			
1985	*				1985	*			
1986	1,000	900	5,970	2,690	1986	*			
1987	600	500	3,360	840	1987	*			
LA PAZ					MARICOPA				
1983	8,500	7,900	6,090	24,060	1983	23,400	20,700	5,850	60,550
1984	7,600	7,600	5,730	21,770	1984	18,900	18,500	5,220	48,290
1985	7,200	7,100	5,100	18,110	1985	13,000	12,800	5,230	33,470
1986	8,000	8,000	4,960	19,820	1986	12,300	12,200	6,070	37,020
1987	5,100	5,100	5,680	14,490	1987	18,900	18,700	6,370	59,540
MOHAVE					NAVAJO				
1983	0				1983	1,100	1,000	2,760	1,380
1984	*				1984	900	900	2,580	1,160
1985	*				1985	*			
1986	*				1986	*			
1987	*				1987	*			
PIMA					PINAL				
1983	1,000	900	5,280	2,370	1983	4,800	4,200	5,250	11,020
1984	900	900	5,160	2,320	1984	4,300	4,100	5,250	10,770
1985	700	700	3,600	1,260	1985	4,000	3,900	4,670	9,120
1986	500	500	3,590	900	1986	2,200	2,100	4,840	5,080
1987	*				1987	1,300	1,200	4,750	2,850
SANTA CRUZ					YAVAPAI				
1983	*				1983	1,200	1,100	2,700	1,490
1984	*				1984	1,000	900	2,700	1,210
1985	*				1985	600	500	3,000	750
1986	0				1986	900	600	3,000	900
1987	*				1987	800	500	1,990	500
YUMA					ARIZONA				
1983	22,000	20,700	6,080	62,990	1983	70,000	64,000	5,760	184,320
1984	22,000	21,800	5,790	63,120	1984	63,000	62,000	5,400	167,400
1985	35,000	34,800	5,840	101,600	1985	67,000	66,000	5,400	178,200
1986	22,300	22,100	5,970	65,970	1986	49,000	48,000	5,640	135,360
1987	16,000	15,900	5,540	44,010	1987	45,000	44,000	5,700	125 400

1/ Converted from 60 pound bushels and rounded.

* Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.

OTHER WHEAT: Acreage, yield, production, price, and value, Arizona, 1983-87

Year	Planted for all purposes	FOR GRAIN				
		Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	1,000 acres		Lbs. 2/	Tons 2/	Dol./ton 2/	1,000 dol.
1983	70	64	5,760	184,320	132.00	24,330
1984	63	62	5,400	167,400	130.00	21,762
1985	67	66	5,400	178,200	117.30	20,909
1986	49	48	5,640	135,360	103.30	13,987
1987	45	44	5,700	125,400	93.30	11,704

1/ Average price for the May through April marketing season. Prices do not include an allowance for loans outstanding and government purchases.

2/ Converted from 60 pound bushels and rounded.

OTHER WHEAT: Farm marketings, Arizona, 1982/83-1986/87

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
	Percent											
1982/83	30	25	5	2	1	1	3	4	4	3	10	12
1983/84	18	40	24	3	3	3	2	2	2	1	1	1
1984/85	35	25	13	3	2	3	10	1	3	1	1	3
1985/86	20	30	15	2	5	2	3	2	1	1	10	9
1986/87	22	45	14	4	1	1	1	7	2	1	1	1

OTHER WHEAT: Monthly and marketing year average prices received by growers, Arizona, 1983/84-1987/88

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Marketing year average
	Dollars per ton												
1983/84	129.00	134.00	135.00	127.00	133.00	138.00	130.30	126.70	131.00	125.00	131.00	135.30	132.00
1984/85	132.70	131.70	125.30	127.00	123.70	133.30	130.00	--	142.70	126.70	--	123.00	130.00
1985/86	116.00	115.30	123.00	118.00	112.30	120.00	112.70	123.70	120.00	118.00	124.30	106.70	117.30
1986/87	105.70	101.00	98.00	103.30	--	--	90.00	99.00	94.00	95.00	--	--	103.30
1987/88	95.70	95.70	89.70	95.00	--	95.00	--	--	--	--	--	--	93.30

ALL WHEAT: Acreage, yield, and production, Arizona, by counties, 1983-87

County and year	Planted for all purposes	FOR GRAIN			County and year	Planted for all purposes	FOR GRAIN		
		Harvested	Yield per acre	Production			Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/		Acres		Lbs. 1/	Tons 1/
APACHE					COCHISE				
1983	200	200	2,550	260	1983	1,500	1,400	5,520	3,860
1984	*				1984	1,500	1,500	4,890	3,670
1985	*				1985	1,100	1,100	5,000	2,750
1986	*				1986	900	700	4,340	1,520
1987	*				1987	900	700	3,670	1,280
COCONINO					GILA				
1983	500	400	3,900	780	1983	*			
1984	*				1984	*			
1985	600	400	3,680	740	1985	*			
1986	*				1986	0			
1987	*				1987	0			
GRAHAM					GREENLEE				
1983	5,200	4,900	5,900	14,470	1983	1,000	1,000	5,330	2,660
1984	4,900	4,800	5,650	13,550	1984	1,000	1,000	5,060	2,530
1985	2,500	2,400	5,790	6,950	1985	*			
1986	2,100	2,000	6,220	6,220	1986	600	600	5,180	1,550
1987	1,400	1,300	4,430	2,880	1987	800	800	4,640	1,850
LA PAZ					MARICOPA				
1983	10,500	9,800	6,010	29,470	1983	47,500	38,900	5,820	113,240
1984	10,400	10,400	5,750	29,920	1984	50,200	49,300	5,740	141,610
1985	12,700	12,600	5,170	32,570	1985	28,200	27,900	5,380	74,960
1986	12,000	12,000	5,000	30,020	1986	28,300	28,000	5,790	81,070
1987	9,600	9,600	5,240	25,140	1987	30,900	30,500	6,050	92,270
MOHAVE					NAVAJO				
1983	3,000	3,000	5,280	7,920	1983	1,100	1,000	2,760	1,380
1984	3,700	3,700	5,030	9,310	1984	900	900	2,580	1,160
1985	1,400	1,400	4,080	2,860	1985	900	700	1,910	670
1986	*				1986	600	600	2,200	660
1987	*				1987	500	500	2,260	560
PIMA					PINAL				
1983	5,000	4,700	5,160	12,120	1983	30,900	26,600	5,080	67,470
1984	5,900	5,800	4,660	13,490	1984	34,800	33,400	4,780	79,800
1985	1,700	1,600	4,430	3,550	1985	22,500	22,200	4,520	50,190
1986	2,000	1,700	4,660	3,960	1986	18,600	18,000	4,750	42,750
1987	1,700	1,400	4,370	3,060	1987	16,600	16,000	4,640	37,110
SANTA CRUZ					YAVAPAI				
1983	*				1983	1,200	1,100	2,700	1,490
1984	*				1984	1,000	900	2,700	1,210
1985	*				1985	600	500	3,000	750
1986	0				1986	900	600	3,000	900
1987	*				1987	800	500	1,990	500
YUMA					ARIZONA				
1983	27,000	25,600	6,010	76,850	1983	135,000	119,000	5,590	332,820
1984	29,600	29,200	5,830	85,100	1984	145,000	142,000	5,400	383,400
1985	40,800	40,500	5,770	116,840	1985	114,000	112,000	5,250	294,120
1986	31,200	31,000	5,840	90,580	1986	98,000	96,000	5,430	260,640
1987	26,800	26,700	5,540	74,010	1987	91,000	89,000	5,390	240,150

1/ Converted from 60 pound bushels and rounded.

* Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.

ALL WHEAT: Acreage, yield, production, price, and value, Arizona, 1983-87

Year	Planted for all purposes	FOR GRAIN				
		Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	1,000 acres		Lbs. 2/	Tons 2/	Dol. per ton 2/	1,000 dol.
1983	135	119	5,590	332,820	133.70	44,477
1984	145	142	5,400	383,400	136.00	52,146
1985	114	112	5,250	294,120	117.30	34,472
1986	98	96	5,430	260,640	112.70	29,355
1987	91	89	5,390	240,150	100.75	24,135

1/ Average price for the May through April marketing season. Prices do not include an allowance for loans outstanding and government purchases.

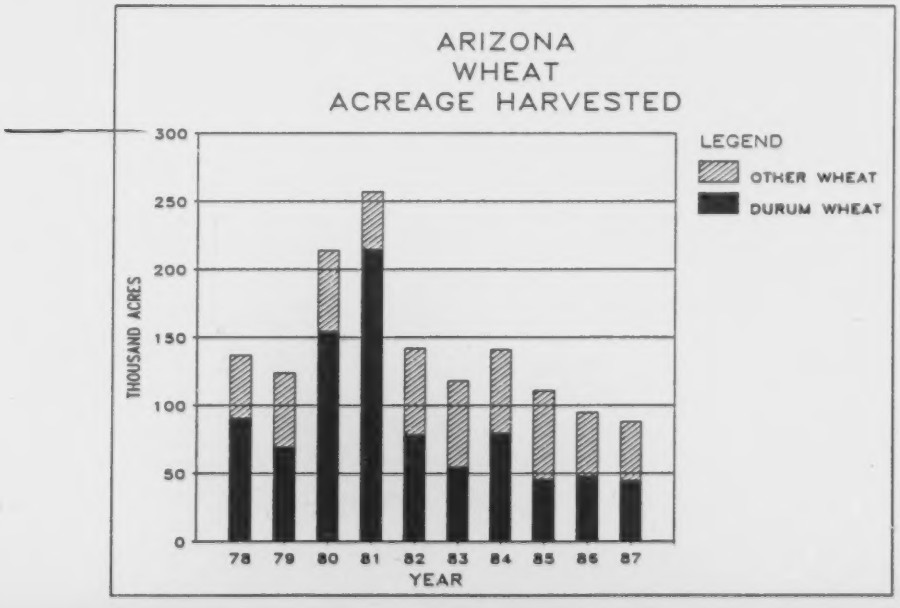
2/ Converted from 60 pound bushels and rounded.

ALL WHEAT: Farm marketings, Arizona, 1982/83-1986/87

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
	Percent											
1982/83	20	43	7	2	2	3	2	3	5	2	5	6
1983/84	19	37	24	4	4	3	2	2	2	1	1	1
1984/85	30	33	10	1	1	4	10	1	5	1	1	3
1985/86	25	38	10	2	3	2	2	2	1	1	8	6
1986/87	41	40	7	2	1	1	1	3	1	1	1	1

ALL WHEAT: Monthly and marketing year average prices received by growers, Arizona, 1983/84-1987/88

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Marketing year average
	Dollars per ton												
1983/84	134.30	132.70	135.00	129.70	133.00	139.00	132.30	131.70	130.70	126.70	131.00	138.70	133.70
1984/85	141.00	134.30	128.70	127.00	123.70	140.70	136.00	129.70	144.00	126.70	120.00	124.30	136.00
1985/86	115.30	116.30	121.00	117.70	112.30	120.00	112.70	123.70	122.70	136.00	124.30	111.00	117.30
1986/87	117.70	112.00	101.00	103.30	110.00	120.00	90.00	99.00	94.00	112.70	--	--	112.70
1987/88	102.00	96.70	90.30	95.00	--	119.30	--	127.00	128.30	134.70	--	--	100.75



BARLEY: Acreage, yield, and production, Arizona, by counties, 1983-87

County and year	Planted for all purposes	FOR GRAIN			County and year	Planted for all purposes	FOR GRAIN		
		Harvested	Yield per acre	Production			Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/		Acres		Lbs. 1/	Tons 1/
APACHE					COCHISE				
1983	*				1983	1,500	1,400	4,130	2,890
1984	*				1984	2,100	2,100	4,030	4,230
1985	*				1985	900	900	4,670	2,100
1986	*				1986	500	500	4,030	1,010
1987	*				1987	500	500	4,610	1,150
COCONINO					GILA				
1983	*				1983	*			
1984	*				1984	*			
1985	*				1985	*			
1986	0				1986	*			
1987	0				1987	*			
GRAHAM					GREENLEE				
1983	3,200	2,900	5,230	7,580	1983	*			
1984	3,400	3,400	5,510	9,370	1984	*			
1985	3,000	3,000	5,040	7,570	1985	*			
1986	2,000	1,700	5,280	4,490	1986	*			
1987	1,600	1,200	5,060	3,040	1987	*			
LA PAZ					MARICOPA				
1983	500	400	5,050	1,010	1983	10,100	8,700	5,000	21,760
1984	1,500	1,400	5,400	3,780	1984	19,100	18,300	5,470	50,030
1985	1,000	1,000	5,040	2,520	1985	33,000	29,100	5,030	73,100
1986	600	600	5,280	1,580	1986	15,000	13,700	4,900	33,540
1987	*				1987	9,200	8,200	4,750	19,480
MOHAVE					NAVAJO				
1983	700	500	4,610	1,150	1983	*			
1984	700	600	4,570	1,370	1984	500	400	3,360	670
1985	1,400	1,400	3,600	2,520	1985	*			
1986	1,000	1,000	4,320	2,160	1986	*			
1987	700	700	4,730	1,660	1987	*			
PIMA					PINAL				
1983	900	700	4,520	1,580	1983	12,200	10,100	5,250	26,520
1984	1,200	1,200	4,000	2,400	1984	21,100	20,600	4,340	44,690
1985	1,400	1,000	3,800	1,900	1985	22,000	21,800	4,280	46,610
1986	1,600	1,000	4,660	2,330	1986	9,000	8,700	4,800	20,880
1987	1,300	700	3,770	1,320	1987	8,000	7,400	4,830	17,890
SANTA CRUZ					YAVAPAI				
1983	500	300	4,160	620	1983	0			
1984	700	500	4,050	1,010	1984	0			
1985	500	300	3,650	550	1985	500	400	4,320	860
1986	*				1986	700	400	3,460	690
1987	*				1987	*			
YUMA					ARIZONA				
1983	1,100	1,000	5,050	2,520	1983	32,000	27,000	4,990	67,390
1984	3,500	3,500	5,400	9,460	1984	55,000	53,000	4,850	128,470
1985	1,500	1,500	4,580	3,440	1985	67,000	62,000	4,660	144,340
1986	800	800	4,650	1,860	1986	32,000	29,000	4,800	69,600
1987	2,100	2,100	5,110	5,360	1987	25,000	22,000	4,750	52,270

1/ Converted from 48 pound bushels and rounded.

* Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.

BARLEY: Acreage, yield, production, price, and value, Arizona, 1983-87

Year	Planted for all purposes	FOR GRAIN				
		Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	1,000 acres		Lbs. 2/	Tons 2/	Dol. per ton 2/	1,000 dol.
1983	32	27	4,990	67,390	125.80	8,480
1984	55	53	4,850	128,470	125.00	16,059
1985	67	62	4,660	144,340	117.50	16,959
1986	32	29	4,800	69,600	102.90	7,163
1987	25	22	4,750	52,270	91.70	4,792

1/ Average price for the May through April marketing season. Prices do not include an allowance for loans outstanding and government purchases.
2/ Converted from 48 pound bushels and rounded.

BARLEY: Farm marketings, Arizona, 1982/83-1986/87

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
	Percent											
1982/83	28	50	10	3	1	1	1	1	2	1	1	1
1983/84	30	49	9	1	1	2	2	1	2	1	1	1
1984/85	40	44	4	1	1	3	1	1	2	1	1	1
1985/86	40	27	20	3	3	1	1	1	1	1	1	1
1986/87	62	24	1	1	1	1	1	1	2	1	1	1

BARLEY: Monthly and marketing year average prices received by growers, Arizona, 1983/84-1987/88

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Marketing year average
	Dollars per ton												
1983/84	125.40	123.80	130.00	--	--	135.00	145.00	--	134.60	--	--	132.50	125.80
1984/85	125.80	124.60	120.80	--	129.60	127.90	--	120.00	124.60	124.20	129.20	120.40	125.00
1985/86	118.30	118.80	116.30	117.10	115.80	--	--	--	104.20	--	--	106.70	117.50
1986/87	110.40	100.00	90.40	97.90	--	95.00	95.00	95.00	97.90	--	100.00	--	102.90
1987/88	92.50	95.40	75.00	--	--	95.00	--	--	--	--	--	--	91.70

SORGHUM: Acreage, yield, and production, Arizona, by counties, 1983-87

County and year	Planted for all purposes	FOR GRAIN			County and year	Planted for all purposes	FOR GRAIN		
		Harvested	Yield per acre	Production			Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/		Acres		Lbs. 1/	Tons 1/
APACHE					COCHISE				
1983	900	700	4,760	1,670	1983	2,200	1,500	5,280	3,960
1984	700	700	4,930	1,730	1984	2,000	1,600	6,160	4,930
1985	800	800	4,930	1,970	1985	1,500	1,000	5,940	2,970
1986	500	300	4,910	740	1986	1,200	700	5,320	1,860
1987	700	700	4,080	1,430	1987	1,500	700	5,680	1,990
COCONINO					GILA				
1983	0				1983	*			
1984	0				1984	*			
1985	0				1985	*			
1986	0				1986	0			
1987	0				1987	0			
GRAHAM					GREENLEE				
1983	2,400	2,000	4,790	4,790	1983	*			
1984	2,400	2,200	5,710	6,280	1984	*			
1985	2,500	2,300	5,150	5,930	1985	*			
1986	1,800	1,500	5,710	4,280	1986	*			
1987	1,400	1,200	5,600	3,360	1987	*			
LA PAZ					MARICOPA				
1983	*				1983	5,500	2,700	4,190	5,650
1984	*				1984	5,300	4,500	4,480	10,080
1985	*				1985	5,300	4,600	4,310	9,920
1986	1,000	1,000	4,540	2,270	1986	4,500	3,400	4,670	7,940
1987	1,300	1,300	4,610	3,000	1987	5,000	3,800	5,250	9,970
MOHAVE					NAVAJO				
1983	*				1983	800	600	2,630	790
1984	*				1984	500	500	2,860	710
1985	*				1985	500	500	2,800	700
1986	*				1986	*			
1987	*				1987	*			
PIMA					PINAL				
1983	1,300	800	4,230	1,690	1983	4,000	2,500	3,850	4,810
1984	1,100	900	4,140	1,870	1984	3,300	3,100	4,200	6,510
1985	1,000	800	4,480	1,790	1985	2,700	2,500	3,530	4,410
1986	*				1986	2,200	1,800	4,400	3,960
1987	*				1987	1,900	1,700	4,410	3,750
SANTA CRUZ					YAVAPAI				
1983	*				1983	*			
1984	*				1984	*			
1985	*				1985	*			
1986	0				1986	0			
1987	0				1987	0			
YUMA					ARIZONA				
1983	1,800	1,400	3,980	2,780	1983	20,000	13,000	4,260	27,660
1984	1,800	1,600	5,180	4,140	1984	18,000	16,000	4,760	38,080
1985	2,600	2,400	5,380	6,450	1985	18,000	16,000	4,540	36,290
1986	2,600	2,100	5,490	5,760	1986	15,000	12,000	4,870	29,230
1987	1,200	1,000	5,320	2,660	1987	14,000	11,000	5,040	27,720

1/ Converted from 56 pound bushels and rounded.

* Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.

SORGHUM: Acreage, yield, production, price, and value, Arizona, 1983-87

Year	Planted for all purposes	FOR GRAIN				
		Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	1,000 acres		Lbs. 2/	Tons 2/	Dol. per ton 2/	1,000 dol.
1983	20	13	4,260	27,660	130.00	3,596
1984	18	16	4,760	38,080	117.10	4,461
1985	18	16	4,540	36,290	102.90	3,732
1986	15	12	4,870	29,230	82.00	2,401
1987	14	11	5,040	27,720	83.00	2,297

1/ Average price for the July through June marketing season. Prices do not include an allowance for loans outstanding and government purchases.

2/ Converted from 56 pound bushels and rounded.

SORGHUM FOR SILAGE: Acreage, yield, production, price and value, Arizona, 1983-87

Year	Harvested	Yield per acre	Production	Marketing year average price 1/	Value of p oduction
	1,000 acres	Tons	Tons	Dol. per ton	1,000 dol.
1983	5	16.0	80,000	1/	
1984	2	20.0	40,000	1/	
1985	2	24.0	48,000	1/	
1986	3	19.0	57,000	16.00	912
1987	3	18.0	54,000	20.00	1,080

1/ Not available.

CORN: Acreage, yield, and production, Arizona, by counties, 1983-87

County and year	Planted for all purposes	FOR GRAIN			County and year	Planted for all purposes	FOR GRAIN		
		Harvested	Yield per acre	Production			Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/		Acres		Lbs. 1/	Tons 1/
APACHE					COCHISE				
1983	1,200	900	4,200	1,890	1983	7,800	6,900	8,740	30,140
1984	4,800	4,500	4,740	10,660	1984	8,500	8,000	7,980	31,920
1985	4,600	4,400	3,920	8,620	1985	8,000	6,700	6,720	22,510
1986	4,500	4,200	4,200	8,820	1986	10,500	7,500	6,960	26,090
1987	2,800	2,600	3,640	4,730	1987	8,600	6,800	6,610	22,470
COCONINO					GILA				
1983	500	200	3,920	390	1983	*			
1984	1,000	700	4,020	1,410	1984	*			
1985	500	400	3,920	780	1985	*			
1986	500	400	3,920	780	1986	*			
1987	*				1987	*			
GRAHAM					GREENLEE				
1983	4,000	3,700	8,930	16,520	1983	*			
1984	4,700	4,500	9,780	22,000	1984	*			
1985	3,900	3,600	7,900	14,210	1985	*			
1986	5,000	4,400	8,400	18,480	1986	500	300	5,990	900
1987	3,900	3,500	7,000	12,250	1987	*			
LA PAZ					MARICOPA				
1983	0				1983	5,000	1,000	7,950	3,980
1984	*				1984	5,400	2,300	6,370	7,330
1985	500	500	6,720	1,680	1985	5,300	1,200	6,160	3,700
1986	1,000	1,000	6,160	3,080	1986	7,000	1,000	5,880	2,940
1987	1,600	1,600	6,270	5,020	1987	5,700	1,000	4,760	2,380
MOHAVE					NAVAJO				
1983	0				1983	4,000	2,800	4,790	6,700
1984	0				1984	4,100	3,000	5,010	7,520
1985	0				1985	4,000	2,200	3,020	3,330
1986	0				1986	4,200	2,800	3,980	5,570
1987	0				1987	3,500	2,500	3,080	3,850
PIMA					PINAL				
1983	*				1983	700	400	7,840	1,570
1984	*				1984	800	500	6,360	1,590
1985	*				1985	*			
1986	1,000	0			1986	*			
1987	*				1987	500	300	4,760	710
SANTA CRUZ					YAVAPAI				
1983	*				1983	800	500	5,600	1,400
1984	*				1984	900	900	4,960	2,230
1985	*				1985	700	700	4,760	1,670
1986	*				1986	1,000	1,000	5,600	2,800
1987	*				1987	700	700	5,880	2,060
YUMA					ARIZONA				
1983	*				1983	25,000	17,000	7,620	64,740
1984	600	600	9,660	2,900	1984	32,000	26,000	7,000	91,000
1985	500	500	10,580	2,650	1985	29,000	21,000	5,880	61,740
1986	1,200	1,200	6,440	3,860	1986	37,000	24,000	6,160	73,920
1987	500	500	5,600	1,400	1987	29,000	20,000	5,600	56,000

1/ Converted from 56 pound bushels and rounded.

* Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.

CORN: Acreage, yield, production, price, and value, Arizona, 1983-87

Year	Planted for all purposes	FOR GRAIN				
		Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	1,000 acres		Lbs. 2/	Tons 2/	Dol. per ton 2/	1,000 dol.
1983	25	17	7,620	64,740	135.70	8,786
1984	32	26	7,000	91,000	112.10	10,205
1985	29	21	5,880	61,740	101.10	6,240
1986	37	24	6,160	73,920	83.90	6,204
1987	29	20	5,600	56,000	75.00	4,200

1/ Average price for the September through August marketing season. Prices do not include an allowance for loans outstanding and government purchases.

2/ Converted from 56 pound bushels and rounded.

CORN FOR SILAGE: Acreage, yield, production, price, and value, Arizona, 1983-87

Year	Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	1,000 acres	Tons	Tons	Dol. per ton	1,000 dol.
1983	8	24.0	192,000	1/	
1984	6	25.0	150,000	1/	
1985	8	23.0	184,000	1/	
1986	13	25.0	325,000	18.00	5,850
1987	9	23.0	207,000	20.00	4,140

1/ Not available.

ALFALFA HAY: Acreage, yield, and production, Arizona, by counties, 1983-87 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Tons	Tons		Acres	Tons	Tons
APACHE				COCHISE			
1983	2,800	3.5	9,800	1983	8,200	6.5	53,000
1984	3,000	4.0	12,100	1984	7,500	5.9	44,200
1985	3,700	3.8	14,100	1985	7,500	5.9	44,000
1986	3,000	4.0	12,000	1986	7,000	5.5	38,500
1987	3,100	3.7	11,400	1987	7,300	4.9	35,500
COCONINO				GILA			
1983	400	4.8	1,900	1983	100	4.0	400
1984	500	4.6	2,300	1984	200	4.0	800
1985	500	4.0	2,000	1985	0		
1986	500	3.6	1,800	1986	0		
1987	500	3.4	1,700	1987	0		
GRAHAM				GREENLEE			
1983	4,700	6.6	31,000	1983	900	6.0	5,400
1984	5,800	6.2	36,200	1984	500	6.2	3,100
1985	4,500	6.0	27,000	1985	*		
1986	5,000	6.2	31,000	1986	500	5.0	2,500
1987	5,200	5.9	30,600	1987	500	5.8	2,900
LA PAZ				MARICOPA			
1983	25,700	7.3	187,600	1983	46,000	8.0	368,000
1984	24,500	7.8	190,500	1984	40,000	7.7	308,000
1985	26,000	7.6	197,000	1985	40,300	7.8	315,000
1986	31,000	8.2	254,200	1986	47,000	7.8	365,900
1987	40,000	8.1	324,000	1987	48,500	8.1	394,800
MOHAVE				NAVAJO			
1983	5,600	6.9	38,600	1983	4,300	3.3	14,300
1984	5,800	6.5	37,500	1984	4,200	3.6	15,300
1985	5,300	5.7	30,000	1985	3,200	3.1	10,000
1986	3,000	5.5	16,500	1986	3,000	3.7	11,000
1987	3,100	4.6	14,400	1987	3,100	3.7	11,600
PIMA				PINAL			
1983	2,000	6.4	12,800	1983	11,700	6.3	74,000
1984	2,100	7.1	14,900	1984	11,000	6.3	69,000
1985	3,000	6.0	18,000	1985	11,500	6.8	78,000
1986	1,000	5.7	5,700	1986	11,000	7.5	82,500
1987	1,000	5.8	5,800	1987	11,400	8.0	91,600
SANTA CRUZ				YAVAPAI			
1983	1,100	5.8	6,400	1983	2,000	4.3	8,500
1984	500	6.0	3,000	1984	2,800	4.2	11,700
1985	*			1985	4,000	4.0	16,000
1986	500	5.4	2,700	1986	4,000	3.9	15,600
1987	500	5.8	2,900	1987	4,100	4.4	17,900
YUMA				ARIZONA			
1983	29,500	8.4	247,300	1983	145,000	7.3	1,059,000
1984	31,600	8.2	259,400	1984	140,000	7.2	1,008,000
1985	35,000	7.9	276,000	1985	145,000	7.1	1,030,000
1986	38,500	8.8	338,100	1986	155,000	7.6	1,178,000
1987	31,700	9.6	302,900	1987	160,000	7.8	1,248,000

1/ Does not include green chop or grazed.

* Acres harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.

OTHER HAY: Acreage, yield, and production, Arizona, by counties, 1983-87 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Tons	Tons		Acres	Tons	Tons
APACHE				COCHISE			
1983	2,500	3.0	7,500	1983	800	4.8	3,800
1984	2,500	3.0	7,500	1984	900	4.4	4,000
1985	1,800	3.0	5,400	1985	1,100	4.3	4,700
1986	1,000	2.6	2,600	1986	900	3.4	3,100
1987	1,200	3.0	3,600	1987	1,000	3.4	3,400
COCONINO				GILA			
1983	500	3.0	1,500	1983	400	2.5	1,000
1984	500	3.6	1,800	1984	*		
1985	500	4.0	2,000	1985	*		
1986	500	3.8	1,900	1986	*		
1987	500	3.8	1,900	1987	*		
GRAHAM				GREENLEE			
1983	800	3.8	3,000	1983	200	3.0	600
1984	700	3.4	2,400	1984	*		
1985	*			1985	*		
1986	900	3.8	3,400	1986	*		
1987	1,000	4.1	4,100	1987	*		
LA PAZ				MARICOPA			
1983	2,300	4.9	11,300	1983	7,500	4.5	34,000
1984	2,500	5.0	12,400	1984	7,000	4.9	34,000
1985	2,700	4.0	10,800	1985	6,200	3.8	23,300
1986	2,000	4.6	9,200	1986	6,000	4.4	26,600
1987	6,000	5.7	34,000	1987	5,800	4.6	26,400
MOHAVE				NAVAJO			
1983	900	3.0	2,700	1983	1,500	2.3	3,400
1984	800	3.5	2,800	1984	1,400	2.3	3,200
1985	800	3.0	2,400	1985	900	2.0	1,800
1986	800	3.0	2,400	1986	*		
1987	800	3.0	2,400	1987	500	2.6	1,300
PIMA				PINAL			
1983	500	3.6	1,800	1983	2,000	3.8	7,600
1984	*			1984	1,800	3.6	6,500
1985	*			1985	1,000	4.0	4,000
1986	*			1986	1,000	3.5	3,500
1987	*			1987	1,000	3.6	3,600
SANTA CRUZ				YAVAPAI			
1983	400	2.3	900	1983	2,200	3.0	6,600
1984	*			1984	2,500	3.0	7,500
1985	*			1985	2,500	2.0	5,000
1986	500	2.6	1,300	1986	3,000	2.1	6,200
1987	500	2.6	1,300	1987	2,600	2.5	6,500
YUMA				ARIZONA			
1983	2,500	4.9	12,300	1983	25,000	3.9	98,000
1984	3,200	4.5	14,400	1984	25,000	4.0	100,000
1985	3,400	4.7	16,000	1985	22,000	3.6	79,000
1986	4,500	4.8	21,800	1986	22,000	3.8	84,000
1987	8,600	5.3	45,300	1987	30,000	4.5	135,000

1/ Does not include green chop or grazed.

* Acres harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.

ALL HAY: Acreage, yield, and production, Arizona, by counties, 1983-87 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Tons	Tons		Acres	Tons	Tons
APACHE				COCHISE			
1983	5,300	3.3	17,300	1983	9,000	6.3	56,800
1984	5,500	3.6	19,600	1984	8,400	5.7	48,200
1985	5,500	3.5	19,500	1985	8,600	5.7	48,700
1986	4,000	3.7	14,600	1986	7,900	5.3	41,600
1987	4,300	3.5	15,000	1987	8,300	4.7	38,900
COCONINO				GILA			
1983	900	3.8	3,400	1983	500	2.8	1,400
1984	1,000	4.1	4,100	1984	*		
1985	1,000	4.0	4,000	1985	*		
1986	1,000	3.7	3,700	1986	*		
1987	1,000	3.6	3,600	1987	*		
GRAHAM				GREENLEE			
1983	5,500	6.2	34,000	1983	1,100	5.5	6,000
1984	6,500	5.9	38,600	1984	*		
1985	*			1985	*		
1986	5,900	5.8	34,400	1986	*		
1987	6,200	5.6	34,700	1987	*		
LA PAZ				MARICOPA			
1983	28,000	7.1	198,900	1983	53,500	7.5	402,000
1984	27,000	7.5	202,900	1984	47,000	7.3	342,000
1985	28,700	7.2	207,800	1985	46,500	7.3	338,300
1986	33,000	8.0	263,400	1986	53,000	7.4	392,500
1987	46,000	7.8	358,000	1987	54,300	7.8	421,200
MOHAVE				NAVAJO			
1983	6,500	6.4	41,300	1983	5,800	3.1	17,700
1984	6,600	6.1	40,300	1984	5,600	3.3	18,500
1985	6,100	5.3	32,400	1985	4,100	2.9	11,800
1986	3,800	5.0	18,900	1986	*		
1987	3,900	4.3	16,800	1987	3,600	3.6	12,900
PIMA				PINAL			
1983	2,500	5.8	14,600	1983	13,700	6.0	81,600
1984	*			1984	12,800	5.9	75,500
1985	*			1985	12,500	6.6	82,000
1986	*			1986	12,000	7.2	86,000
1987	*			1987	12,400	7.7	95,200
SANTA CRUZ				YAVAPAI			
1983	1,500	4.9	7,300	1983	4,200	3.6	15,100
1984	*			1984	5,300	3.6	19,200
1985	*			1985	6,500	3.2	21,000
1986	1,000	4.0	4,000	1986	7,000	3.1	21,800
1987	1,000	4.2	4,200	1987	6,700	3.6	24,400
YUMA				ARIZONA			
1983	32,000	8.1	259,600	1983	170,000	6.8	1,157,000
1984	34,800	7.9	273,800	1984	165,000	6.7	1,108,000
1985	38,400	7.6	292,000	1985	167,000	6.6	1,109,000
1986	43,000	8.4	359,900	1986	177,000	7.1	1,262,000
1987	40,300	8.6	348,200	1987	190,000	7.3	1,383,000

1/ Does not include green chop or grazed.

* Acres harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations for alfalfa or other hay.

ALL HAY: Acreage, yield, production, price, and value, Arizona, 1983-87 1/

Year	Harvested	Yield per acre	Production	Marketing year average price 2/	Value of production
	1,000 acres	Tons	1,000 tons	Dol. per ton	1,000 dol.
1983	170	6.8	1,157	93.00	107,601
1984	165	6.7	1,108	84.50	93,626
1985	167	6.6	1,109	79.50	88,166
1986	177	7.1	1,262	70.50	88,971
1987	190	7.3	1,393	84.00	116,172

1/ Does not include green chop or grazed.
2/ Average price for the April through March marketing season.

ALL HAY: Farm marketings, Arizona, 1982/83-1986/87

Crop year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
						Percent						
1982/83	8	12	16	13	10	10	6	6	4	5	5	5
1983/84	14	15	11	4	4	8	6	6	6	6	8	12
1984/85	13	18	7	6	8	10	10	5	6	5	6	6
1985/86	15	20	6	4	5	5	10	6	9	7	6	7
1986/87	12	18	6	9	5	6	8	10	5	5	8	8

ALL HAY: Monthly and marketing year average prices received by growers, Arizona, 1983/84-1987/88 1/

Crop year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Marketing year average
							Dollars per ton						
1983/84	96.00	100.00	91.00	78.00	74.00	78.00	92.00	90.00	97.00	100.00	99.00	95.00	93.00
1984/85	94.00	90.00	81.00	74.00	70.00	77.00	81.00	85.00	87.00	89.00	90.00	89.00	84.50
1985/86	89.00	80.00	79.00	72.00	73.00	67.00	79.00	78.00	76.00	80.00	82.00	78.00	79.50
1986/87	76.00	76.00	67.00	53.00	54.00	55.00	62.00	69.00	72.00	74.00	81.00	90.00	70.50
1987/88	86.00	83.00	84.00	65.00	63.00	68.00	69.00	73.00	84.00	88.00	99.00	86.00	84.00

1/ Does not include green chop or grazed.

ALFALFA HAY: Monthly prices received by growers, Arizona, 1983/84-1987/88 1/

Crop year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
						Dollars per ton						
1983/84	98.00	101.00	91.00	82.00	77.00	80.00	95.00	92.00	99.00	102.00	102.00	97.00
1984/85	95.00	91.00	84.00	77.00	71.00	79.00	82.00	91.00	94.00	90.00	92.00	90.00
1985/86	90.00	80.00	79.00	72.00	73.00	69.00	79.00	78.00	76.00	80.00	83.00	78.00
1986/87	76.00	76.00	67.00	53.00	54.00	55.00	60.00	72.00	73.00	76.00	82.00	90.00
1987/88	87.00	83.00	85.00	68.00	63.00	72.00	72.00	78.00	88.00	92.00	100.00	87.00

1/ Does not include green chop or grazed.

OTHER HAY: Monthly prices received by growers, Arizona, 1983/84-1987/88 1/

Crop year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
						Dollars per ton						
1983/84	63.00	65.00	55.00	57.00	58.00	65.00	66.00	63.00	71.00	70.00	65.00	61.00
1984/85	75.00	75.00	62.00	63.00	63.00	59.00	68.00	64.00	59.00	56.00	57.00	50.00
1985/86	65.00	63.00	--	55.00	55.00	55.00	--	65.00	--	65.00	70.00	--
1986/87	--	--	--	--	--	45.00	--	43.00	56.00	50.00	60.00	--
1987/88	54.00	--	51.00	56.00	57.00	54.00	54.00	40.00	52.00	57.00	84.00	67.00

1/ Does not include green chop or grazed.

OFF FARM GRAIN STOCKS: Arizona, quarterly, 1983-1988 1/

Quarter	1983	1984	1985	1986	1987	1988
			Tons 2/			
			Wheat			
March 1	3/ 32,700	3/ 47,940	3/ 58,230	3/ 38,520	61,650	28,890
June 1 4/	13,620	*	21,660	10,530	25,530	
September 1	5/ 103,500	5/ 127,500	5/ 102,390	125,070	61,920	
December 1	6/ 50,490	6/ 95,490	6/ 76,770	93,180	40,080	
			Corn			
March 1	3/ 95,060	3/ 23,800	3/ 12,150	3/ 10,250	43,510	36,710
June 1	75,490	11,900	6,270	6,330	25,930	
September 1 4/	*	5/ 3,920	5/ 1,150	1,880	27,020	
December 1	6/ 46,200	6/ 30,320	6/ 19,800	45,500	52,640	
			Sorghum			
April 1	61,320	103,600	82,940	7/		
June 1	7,450	79,800	55,780	93,720	189,170	
September 1 4/	5/ 65,800	5/ 15,400	5/ 17,560	78,880	242,200	
January 1	186,410	111,520	123,060	7/		

1/ Includes stocks at mills, elevators, warehouses, terminals, processors, and commercial feedlots.
2/ Converted from bushels and rounded.
3/ April 1.
4/ Includes old crop grain only.
5/ October 1.
6/ January 1 previous year.
7/ Discontinued.
* Not published to avoid disclosing individual operations.

GRAIN STOCKS: Off farm storage facilities, Arizona, 1983-1987

Month and year	Facilities 1/	Storage capacity
	Number	Tons
January 1983	34	706,500
January 1984	37	749,500
January 1985	37	824,000
January 1986	38	780,000
December 1986	37	782,750
December 1987	34	837,500

1/ Includes mills, elevators, warehouses, terminals, processors, and commercial feedlots.

ON FARM HAY STOCKS: Arizona, 1983-1988

Month	1983	1984	1985	1986	1987	1988
			Tons			
May 1 1/	19,000	12,000	66,000	55,000	25,000	41,000
December 1	2/ 116,000	2/ 111,000	2/ 177,000	290,000	263,000	

1/ Includes old crop only.
2/ January 1 previous year.

OTHER FIELD CROPS: Acreage, production, and value, Arizona 1983-87

Crop	Year	Harvested	Unit	Production	Value of production
		Acres		1,000	1,000 dol.
DRY BEANS	1983	900	Lb.	750	151
	1984	1,800		1,450	305
	1985	900		620	99
	1986	1/			
	1987	1/			
JOJOBA	1983	1,000	Lb.	30	425
	1984	2,250		126	675
	1985	250		11	17
	1986	8,500		1,000	1,250
	1987	9,000		900	1,260
OATS FOR GRAIN	1984	500	Lb.	3,000	205
	1985	425		1,900	102
	1986	650		2,600	137
	1987	750		3,180	215
PEANUTS	1983	680	Lb.	1,940	505
	1984	3,000		7,734	1,934
	1985	3,500		8,313	1,255
	1986	730		1,680	510
	1987	714		1,428	343
POPCORN	1984	1,000	Lb.	6,500	715
	1985	1,200		6,000	600
	1986	800		4,320	346
	1987	200		800	104
SAFFLOWER	1983	3,600	Ton	3.4	850
	1984	6,100		11.0	1,647
	1985	0			
	1986	2,500		2.5	563
	1987	2,500		2.5	450
SESAME	1983	5,500	Lb.	3,575	1,072
	1984	5,000		6,250	1,813
	1985	8,000		9,200	2,392
	1986	8,000		9,600	2,016
	1987	2,000		2,400	480

1/ Not available.

Source: Statistics developed with the assistance of the Arizona Cooperative Extension Service and growers and dealers.

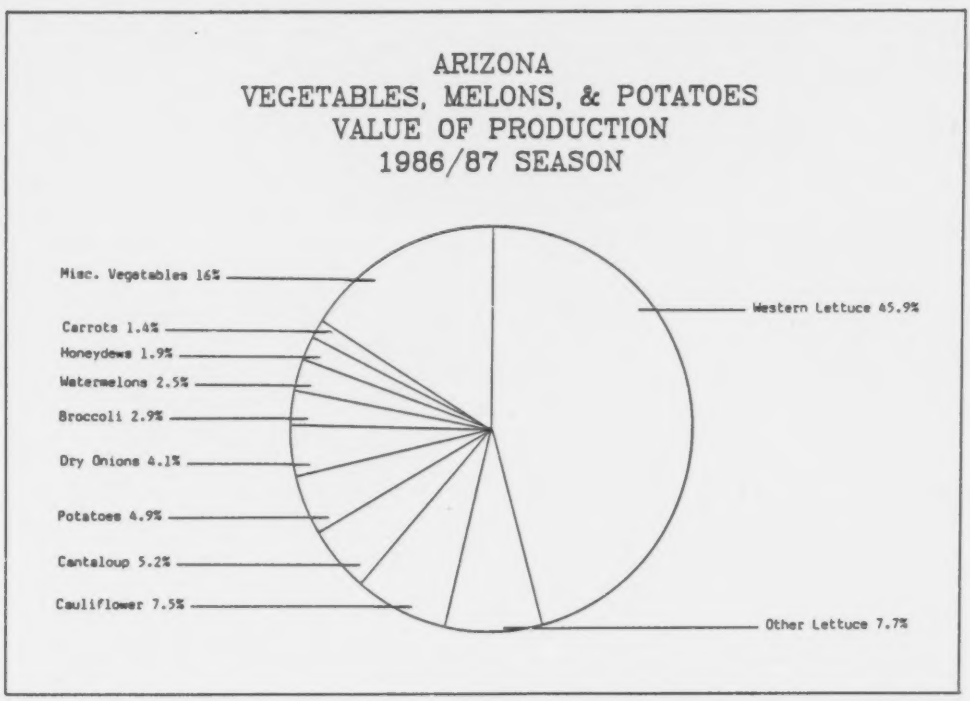
VEGETABLES, MELONS, AND POTATOES

The total area in production during 1987 for the eight principle vegetable and melon crops and potatoes totaled 79,400 acres, up 6 percent from 1986 and over 1 percent above 1985. This production area includes harvested acres in the 1986/87 season for lettuce, carrots, broccoli, and cauliflower; other vegetable crops included are for the calendar year. For those vegetables covered by the Agricultural Statistics Board, Arizona ranked third nationally in area harvested, total production, and total value of production.

Iceberg lettuce remained the most significant vegetable crop in Arizona accounting for nearly 54 percent of the total value of production for all vegetables in 1987. Nationally, the state ranked second in lettuce and cauliflower production and third in honeydews and broccoli.

The total value of vegetable production for Arizona in 1987 increased 13 percent over the previous year's level and 33 percent over the level in 1985. Much of this increased value occurred due to greater planted areas for harvest for some of the principle vegetable crops. The most significant price increases occurred with 'other' lettuce, up nearly 59 percent, potatoes up 44 percent, and onions up 133 percent from the previous year's final season average price.

Value of 'miscellaneous' vegetables was estimated at over $46 million in 1987, 16 percent of all vegetables produced in Arizona. The most significant among these were romaine and leaf lettuce, greens, and green onions.



WESTERN LETTUCE: Acreage, yield, and production, Arizona, by counties, 1982/83-1986/87

County and crop year	Harvested	Yield per acre	Production	County and crop year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
LA PAZ				YUMA			
1982/83	2,900	345	1,000	1982/83	26,100	303	7,900
1983/84	4,200	268	1,124	1983/84	25,900	290	7,500
1984/85	4,800	241	1,157	1984/85	31,800	297	9,457
1985/86	800	250	200	1985/86	31,300	281	8,788
1986/87	1,000	240	240	1986/87	34,200	333	11,376

WESTERN LETTUCE: Acreage, yield, production, price, and value, Arizona, 1982/83-1986/87

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1982/83	29,000	29,000	307	8,900	9.23	82,114
1983/84	30,100	30,100	285	8,579	10.20	87,506
1984/85	36,600	36,600	290	10,614	8.72	92,554
1985/86	32,100	32,100	280	8,988	11.80	106,058
1986/87	35,200	35,200	330	11,616	11.50	133,584

1/ Average price for the November through April marketing season.

WESTERN LETTUCE: Monthly and season average prices received by growers, Arizona, 1982/83-1986/87

Crop year	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Season average
				Dollars per cwt.			
1982/83	15.20	11.60	8.44	6.42	7.42	11.10	9.23
1983/84	15.20	14.10	7.61	8.93	8.37	5.96	10.20
1984/85	5.99	8.72	13.90	7.70	7.74	6.35	8.72
1985/86	14.00	27.10	8.63	7.20	8.23	--	11.80
1986/87	10.70	10.40	14.40	7.76	14.76	6.93	11.50

OTHER LETTUCE, SPRING: Acreage, yield, and production, Arizona, by counties, 1983-87 1/

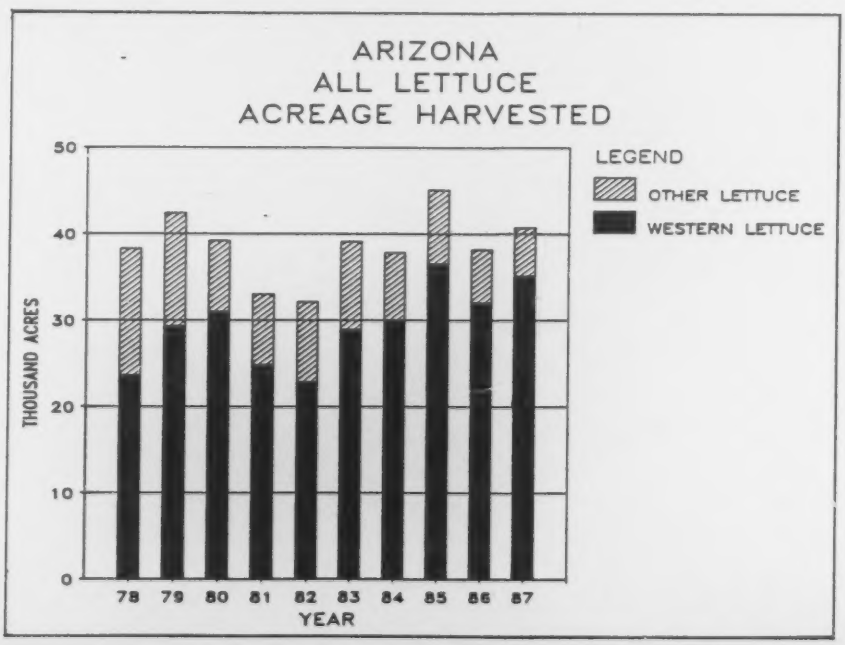
County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
COCHISE				MARICOPA			
1983	1,120	339	380	1983	3,280	309	1,014
1984	820	216	177	1984	1,910	406	776
1985	1,200	135	162	1985	3,310	181	598
1986	1,050	210	221	1986	1,800	299	539
1987	940	183	172	1987	1,000	279	279
PIMA				PINAL			
1983	430	281	121	1983	870	286	249
1984	400	270	108	1984	570	281	160
1985	2/			1985	390	187	73
1986	450	220	99	1986	200	275	55
1987	560	239	134	1987	600	110	66

1/ "Other lettuce" refers to lettuce produced in all areas of the State except Yuma and La Paz counties.
2/ Pima County acres and production included with Pinal County to avoid disclosure of individual operations.

OTHER LETTUCE, SPRING: Acreage, yield, production, price, and value, Arizona, 1983-87 1/

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 2/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1983	5,700	5,700	309	1,764	13.00	22,860
1984	7,300	3,700	330	1,221	6.30	7,698
1985	5,400	4,900	170	833	6.94	5,785
1986	3,500	3,500	261	914	13.80	12,657
1987	3,100	3,100	210	651	9.26	6,028

1/ "Other lettuce" refers to lettuce produced in all areas of the State except Yuma and La Paz counties.
2/ Average price for March through June marketing season.



OTHER LETTUCE, FALL: Acreage, yield, and production, Arizona, by counties, 1983/84-1987/88 1/

County and crop year	Harvested	Yield per acre	Production	County and crop year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
COCHISE				MARICOPA			
1983/84	1,340	209	280	1983/84	2,380	206	490
1984/85	1,170	168	197	1984/85	2,160	224	484
1985/86	1,500	241	362	1985/86	1,600	195	312
1986/87	1,000	235	235	1986/87	1,000	237	237
1987/88	1,030	182	187	1987/88	990	180	178
PIMA				PINAL			
1983/84	300	210	63	1983/84	580	229	133
1984/85	190	153	29	1984/85	680	181	123
1985/86	420	210	88	1985/86	280	207	58
1986/87	600	195	117	1986/87	200	205	41
1987/88	460	196	90	1987/88	120	283	34

1/ "Other lettuce" refers to lettuce produced in all areas of the State except Yuma and La Paz counties.

OTHER LETTUCE, FALL: Acreage, yield, production, price, and value, Arizona, 1983/84-1987/88 1/

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 2/	Value of production
	Acres		Cw.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1983/84	4,600	4,600	210	966	14.80	14,268
1984/85	4,500	4,200	198	833	13.30	11,096
1985/86	3,800	3,800	216	820	14.10	11,572
1986/87	3,000	2,800	225	630	10.30	6,489
1987/88	2,600	2,600	188	489	33.60	16,430

1/ "Other lettuce" refers to lettuce produced in all areas of the State except Yuma and La Paz counties.
2/ Average price for the October through January marketing season.

ALL OTHER LETTUCE: Acreage, yield, production, price, and value, Arizona, 1983/84-1987/88 1/

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 2/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1983/84	10,300	10,300	265	2,730	13.60	37,128
1984/85	11,800	7,900	260	2,054	9.15	18,794
1985/86	9,200	8,700	190	1,653	10.50	17,357
1986/87	6,500	6,300	245	1,544	12.40	19,146
1987/88	5,700	5,700	200	1,140	19.70	22,458

1/ "Other lettuce" refers to lettuce produced in all areas of the State except Yuma and La Paz counties.
2/ Average price for the March through June and September through January marketing seasons.

ALL OTHER LETTUCE: Monthly and season average prices received by growers, Arizona, 1983/84-1987/88

Crop year	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Season average
	Dollars per cwt.												
1983/84	7.78	12.10	12.90	17.50	--	--	--	16.10	15.00	13.30	8.04	11.20	13.60
1984/85	6.57	5.96	6.36	7.45	--	--	--	22.60	7.50	8.08	15.30	--	9.15
1985/86	6.67	6.98	7.95	5.85	--	--	--	8.03	11.70	22.80	15.90	--	10.50
1986/87	14.80	15.50	11.30	8.00	--	--	11.00	7.68	12.30	10.80	13.20	--	12.40
1987/88	15.60	6.54	6.46	7.23	--	--	--	13.30	45.20	42.10	37.40	--	19.70

CARROTS: Acreage, yield, and production, Arizona, by counties, 1982/83-1986/87

County and crop year	Harvested	Yield per acre	Production	County and crop year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
COCHISE				MARICOPA			
1982/83	420	155	65	1982/83	2,700	176	474
1983/84	*			1983/84	2,500	132	329
1984/85	0			1984/85	2,400	165	396
1985/86	0			1985/86	2,400	165	396
1986/87	0			1986/87	2,000	200	400
PINAL				YAVAPAI			
1982/83	*			1982/83	*		
1983/84	*			1983/84	0		
1984/85	0			1984/85	0		
1985/86	0			1985/86	0		
1986/87	0			1986/87	0		
YUMA							
1982/83	*						
1983/84	0						
1984/85	0						
1985/86	0						
1986/87	0						

* Acres harvested not published to avoid disclosing individual operations.

CARROTS: Acreage, yield, production, price, and value, Arizona, 1982/83-1986/87

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1982/83	3,170	3,170	174	550	9.88	5,435
1983/84	3,000	2,900	130	377	14.80	5,580
1984/85	2,400	2,400	165	396	9.45	3,742
1985/86	2,400	2,400	165	396	10.90	4,316
1986/87	2,000	2,000	200	400	10.60	4,240

1/ Average price for the December through June marketing season.

CARROTS: Monthly and season average prices received by growers, Arizona, 1982/83-1986/87

Crop year	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Season average
				Dollars per cwt.				
1982/83	9.25	15.20	14.00	10.10	8.53	8.33	8.60	9.88
1983/84	16.10	16.90	21.30	16.40	16.80	9.68	9.61	14.80
1984/85	--	13.10	14.00	9.24	9.26	8.66	8.33	9.45
1985/86	14.00	12.70	9.53	10.00	9.71	10.70	13.50	10.90
1986/87	13.50	14.20	9.78	10.50	9.10	8.70	9.81	10.60

DRY ONIONS: Acreage, yield, and production, Arizona, by counties, 1983-87

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
COCHISE				LA PAZ			
1983	200	230	46	1983	0		
1984	220	200	44	1984	280	179	50
1985	*			1985	*		
1986	1/			1986	0		
1987	1/			1987	0		
MARICOPA				PINAL			
1983	1,350	435	587	1983	*		
1984	1,700	400	680	1984	*		
1985	1,100	480	528	1985	0		
1986	1,200	550	660	1986	0		
1987	1,300	450	585	1987	0		
YUMA							
1983	*						
1984	*						
1985	0						
1986	0						
1987	0						

1/ Cochise County acres and production included with Maricopa County to avoid disclosing individual operations.
* Acres harvested not published to avoid disclosing individual operations.

DRY ONIONS: Acreage, yield, production, price, and value, Arizona, 1983-87

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1983	1,700	1,600	410	656	8.06	5,287
1984	2,400	2,300	350	805	9.15	7,366
1985	1,200	1,200	470	564	9.55	5,386
1986	1,200	1,200	550	660	8.78	5,795
1987	1,300	1,300	450	585	20.50	11,993

1/ Average price for the April through July marketing season.

DRY ONIONS: Monthly and season average prices received by growers, Arizona, 1983-87

Year	April	May	June	July	Season average
			Dollars per cwt.		
1983	--	8.02	7.71	10.20	8.06
1984	14.40	9.54	8.57	--	9.15
1985	--	8.91	8.90	21.80	9.55
1986	--	7.98	11.80	--	8.78
1987	--	21.70	18.00	20.80	20.50

BROCCOLI: Acreage, yield, and production, Arizona, by counties, 1982/83-1986/87

County and crop year	Harvested	Yield per acre	Production	County and crop year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
LA PAZ				MARICOPA			
1982/83	0			1982/83	950	73	69
1983/84	*			1983/84	850	68	58
1984/85	1/			1984/85	900	88	79
1985/86	0			1985/86	1,500	66	99
1986/87	0			1986/87	1,600	80	128
PINAL				YUMA			
1982/83	0			1982/83	0		
1983/84	0			1983/84	*		
1984/85	0			1984/85	1,000	98	98
1985/86	300	60	18	1985/86	1,100	110	121
1986/87	2/			1986/87	2,600	98	254

1/ La Paz County acres and production included with Yuma County to avoid disclosing individual operations.
2/ Pinal County acres and production included with Maricopa County to avoid disclosing individual operations.
* Acres harvested not published to avoid disclosing individual operations.

BROCCOLI: Acreage, yield, production, price, and value, Arizona, 1982/83-1986/87

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1982/83	950	950	73	69	27.40	1,889
1983/84	1,300	1,300	76	99	28.00	2,772
1984/85	1,900	1,900	93	177	26.10	4,620
1985/86	2,900	2,900	82	238	23.00	5,474
1986/87	4,200	4,200	91	382	21.80	8,328

1/ Average price for the December through April marketing season.

CAULIFLOWER: Acreage, yield, and production, Arizona, by counties, 1982/83-1986/87

County and crop year	Harvested	Yield per acre	Production	County and crop year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
MARICOPA				YUMA			
1982/83	600	95	57	1982/83	3,000	124	372
1983/84	500	82	41	1983/84	3,500	120	419
1984/85	550	78	43	1984/85	4,350	120	521
1985/86	700	77	54	1985/86	5,400	120	648
1986/87	750	80	60	1986/87	5,650	131	740

CAULIFLOWER: Acreage, yield, production, price, and value, Arizona, 1982/83-1986/87

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1982/83	3,600	3,600	119	429	35.50	15,223
1983/84	4,000	4,000	115	460	35.90	16,514
1984/85	5,000	4,900	115	564	34.30	19,345
1985/86	6,100	6,100	115	702	29.20	20,498
1986/87	6,400	6,400	125	800	27.40	21,920

1/ Average price for the November through April marketing season.

WATERMELONS: Acreage, yield, and production, Arizona, by counties, 1983-87 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
COCHISE				LA PAZ			
1983	210	67	14	1983	*		
1984	100	110	11	1984	*		
1985	200	80	16	1985	400	230	92
1986	200	100	20	1986	450	200	90
1987	150	100	15	1987	100	300	30
MARICOPA				MOHAVE			
1983	2,940	237	697	1983	*		
1984	2,370	286	677	1984	*		
1985	2,300	277	637	1985	0		
1986	2,500	292	730	1986	0		
1987	3,250	321	1,044	1987	0		
PINAL				YUMA			
1983	490	204	100	1983	320	272	87
1984	1,280	264	338	1984	500	222	111
1985	1,200	215	258	1985	1,100	246	271
1986	1,100	223	245	1986	1,150	230	265
1987	450	231	104	1987	950	240	228

1/ Watermelons are planted as Spring and Fall crops. Estimates by season are not available.
* Acres harvested not published to avoid disclosing individual operations.

WATERMELONS: Acreage, yield, production, price, and value, Arizona, 1983-87 1/

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 2/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1983	4,300	4,200	227	952	5.85	5,569
1984	4,700	4,500	260	1,170	5.42	6,341
1985	5,300	5,200	245	1,274	5.27	6,714
1986	5,400	5,400	250	1,350	6.36	8,586
1987	4,900	4,900	290	1,421	5.13	7,290

1/ Watermelons are planted as Spring and Fall crops. Estimates by season are not available.
2/ Average price for the May through July and September through November marketing season.

SPRING HONEYDEWS: Acreage, yield, and production, Arizona, by counties, 1983-87

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
LA PAZ				MARICOPA			
1983	1,450	98	142	1983	110	164	18
1984	1,100	186	205	1984	140	162	23
1985	990	181	179	1985	230	204	47
1986	850	178	151	1986	460	220	101
1987	780	168	131	1987	820	141	116
MOHAVE				PINAL			
1983	530	100	53	1983	*		
1984	360	50	18	1984	*		
1985	170	182	31	1985	120	92	11
1986	0			1986	360	81	29
1987	0			1987	470	70	33
YUMA							
1983	*						
1984	*						
1985	90	200	18				
1986	130	115	15				
1987	330	133	44				

* Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.

SPRING HONEYDEWS: Acreage, yield, production, price, and value, Arizona, 1983-87

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1983	2,100	2,100	102	214	16.10	3,450
1984	1,900	1,700	151	256	14.90	3,824
1985	1,700	1,600	179	286	9.81	2,807
1986	1,800	1,800	164	296	11.00	3,258
1987	2,400	2,400	135	324	12.10	3,920

1/ Average price for the June through July marketing season.

FALL HONEYDEWS: Acreage, yield, and production, Arizona, by counties, 1983-87

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
LA PAZ				MARICOPA			
1983	160	94	15	1983	290	100	29
1984	*			1984	160	194	31
1985	120	225	27	1985	360	131	47
1986	150	173	26	1986	600	145	87
1987	300	167	50	1987	630	121	76
MOHAVE				PINAL			
1983	250	88	22	1983	0		
1984	0			1984	*		
1985	0			1985	120	208	25
1986	0			1986	200	160	32
1987	0			1987	70	129	9
YUMA							
1983	0						
1984	0						
1985	0						
1986	50	140	7				
1987	1/						

1/ Yuma County acres and production included with La Paz County to avoid disclosing individual operations.
* Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.

FALL HONEYDEWS: Acreage, yield, production, price, and value, Arizona, 1983-87

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1983	700	700	94	66	12.60	834
1984	300	300	180	54	38.30	2,066
1985	600	600	165	99	14.40	1,428
1986	1,100	1,000	152	152	15.10	2,297
1987	1,000	1,000	135	135	11.40	1,542

1/ Average price for the October through November marketing season.

ALL HONEYDEWS: Acreage, yield, production, price, and value, Arizona, 1983-87

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1983	2,800	2,800	100	280	15.30	4,284
1984	2,200	2,000	155	310	19.00	5,890
1985	2,300	2,200	175	385	11.00	4,235
1986	2,900	2,800	160	448	12.40	5,555
1987	3,400	3,400	135	459	11.90	5,462

1/ Average price for the June through July and October through November marketing seasons.

ALL HONEYDEWS: Monthly and season average prices received by growers, Arizona, 1983-87

Year	June	July	Aug.	Sept.	Oct.	Nov.	Season average
				Dollars per cwt.			
1983	17.50	15.00	--	--	12.60	11.70	15.30
1984	16.10	13.60	--	--	39.60	24.30	19.00
1985	10.80	8.92	--	--	14.40	17.60	11.00
1986	11.50	10.90	--	14.60	15.00	17.60	12.40
1987	14.40	7.38	--	--	10.80	14.40	11.90

SUMMER CANTALOUPS: Acreage, yield, and production, Arizona, by counties, 1983-87

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
LA PAZ				MARICOPA			
1983	1,570	276	434	1983	2,750	135	371
1984	3,660	131	479	1984	2,730	165	451
1985	3,340	167	559	1985	3,600	176	623
1986	2,100	200	420	1986	4,700	180	845
1987	2,430	130	316	1987	4,220	174	734
MOHAVE				PINAL			
1983	0			1983	150	133	20
1984	*			1984	130	162	21
1985	0			1985	0		
1986	0			1986	1/		
1987	0			1987	1/		
YUMA							
1983	880	278	245				
1984	*						
1985	110	155	17				
1986	500	190	95				
1987	950	151	143				

1/ Pinal County acres and production included with Maricopa County to avoid disclosing individual operations.
* Acres harvested not published to avoid disclosing individual operations.

SUMMER CANTALOUPS: Acreage, yield, production, price, and value, Arizona, 1983-87

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1983	5,350	5,350	200	1,070	17.50	18,725
1984	6,750	6,750	147	991	14.50	14,406
1985	7,050	7,050	170	1,199	9.10	10,914
1986	7,300	7,300	189	1,377	13.50	18,590
1987	7,600	7,600	157	1,193	9.89	11,799

1/ Average price for the May through July marketing season.

FALL CANTALOUPS: Acreage, yield, and production, Arizona, by counties, 1983-87

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
COCHISE				LA PAZ			
1983	0			1983	180	61	11
1984	0			1984	0		
1985	0			1985	1,050	64	67
1986	1/			1986	790	70	55
1987	1/			1987	760	75	57
MARICOPA				PINAL			
1983	1,000	86	86	1983	120	83	10
1984	1,450	112	162	1984	100	90	9
1985	1,900	97	184	1985	0		
1986	2,700	150	405	1986	110	145	16
1987	2,930	95	279	1987	110	91	10

1/ Cochise County acres and production included with Maricopa County to avoid disclosing individual operations.

FALL CANTALOUPS: Acreage, yield, production, price, and value, Arizona, 1983-87

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1983	1,450	1,300	82	107	17.90	1,915
1984	1,550	1,550	110	171	23.80	4,070
1985	2,950	2,950	85	251	10.40	2,600
1986	3,600	3,600	132	476	13.10	6,240
1987	3,800	3,800	91	346	9.71	3,360

1/ Average price for the October through November marketing season.

ALL CANTALOUPS: Acreage, yield, production, price, and value, Arizona, 1983-87

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1983	6,800	6,650	177	1,177	17.50	20,640
1984	8,300	8,300	140	1,162	15.90	18,476
1985	10,000	10,000	145	1,450	9.32	13,514
1986	10,900	10,900	170	1,853	13.40	24,830
1987	11,400	11,400	135	1,539	9.85	15,159

1/ Average price for the May through July and October through November marketing seasons.

POTATOES: Acreage, yield, and production, Arizona, by counties, 1983-87

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
COCHISE				MARICOPA			
1983	0			1983	4,900	260	1,274
1984	*			1984	4,960	308	1,527
1985	380	132	50	1985	5,420	258	1,400
1986	400	128	51	1986	5,100	236	1,202
1987	1/			1987	4,900	275	1,348
NAVAJO				YUMA			
1983	0			1983	0		
1984	*			1984	0		
1985	0			1985	2/		
1986	3/			1986	400	113	45
1987	0			1987	2/		

1/ Cochise County acres and production included with Maricopa County to avoid disclosing individual operations.
2/ Yuma County acres and production included with Maricopa County to avoid disclosing individual operations.
3/ Navajo County acres and production included with Cochise County to avoid disclosing individual operations.
* Acres harvested not published to avoid disclosing individual operations.

POTATOES: Acreage, yield, production, price, and value, Arizona, 1983-87

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1983	4,900	4,900	260	1,274	6.75	8,600
1984	5,400	5,400	305	1,647	9.20	15,152
1985	5,800	5,800	250	1,450	8.45	12,253
1986	6,100	5,900	220	1,298	7.30	9,475
1987	4,900	4,900	275	1,348	10.50	14,154

1/ Average price for the April through July marketing season.

POTATOES: Monthly and season average prices received by growers, Arizona, 1983-87 1/

Year	April	May	June	July	August	Season average
			Dollars per cwt.			
1983	--	7.80	6.10	--	--	6.75
1984	12.30	11.00	7.75	5.00	5.00	9.20
1985	16.50	9.95	5.85	5.50	--	8.45
1986	14.10	7.00	6.10	5.50	--	7.30
1987	17.00	13.00	7.60	5.50	--	10.50

1/ Includes fresh market and processed potato prices.

OTHER VEGETABLES: Acres, production, and value, Arizona, 1983-87

Crop	Year	Harvested acres 1/	Unit	Production 1/	Value of production 2/
		Acres			1,000 dol.
ASPARAGUS	1985	382	30 Lb. Carton	27,545	413
	1986	486		46,129	996
	1987	1,723		115,103	2,265
BEETS	1983	90	35 Lb. Carton	33,307	165
	1984	72		35,756	215
	1985	72		44,535	256
	1986	66		32,205	161
	1987	42		22,675	170
BOK CHOY	1983	43	35 Lb. Carton	36,243	270
	1984	71		47,632	381
	1985	93		52,399	561
	1986	136		78,846	552
	1987	162		82,320	594
CABBAGE	1983	957	50 Lb. Carton	385,519	1,181
	1984	1,222		423,364	1,482
	1985	798		354,075	2,036
	1986	902		351,223	1,054
	1987	723		399,522	1,307
CHILI PEPPERS	1986	642	30 Lb. Carton	601,624	5,956
	1987	680		30,285	522
ENDIVE	1983	67	25 Lb. Carton	36,813	148
	1984	79		25,215	202
	1985	84		20,148	135
	1986	72		56,510	283
	1987	134		39,811	141
ESCAROLE	1983	38	50 Lb. Carton	5,787	24
	1984	47		3,537	28
	1985	61		2,065	14
	1986	46		36,294	182
	1987	53		3,639	19
GARLIC	1983	4	50 Lb. Sack	3/	3/
	1984	2		3/	3/
	1985	370		7,944	99
	1986	0			
	1987	350		133,000	4,844
GREENS	1983	1,896	25 Lb. Carton	1,551,874	6,456
	1984	1,982		1,793,815	6,278
	1985	1,857		1,627,376	8,381
	1986	1,942		2,021,656	7,136
	1987	1,847		1,698,535	6,285
KALE	1985	0	22 Lb. Carton		
	1986	152		171,608	982
	1987	170		23,144	136
LETTUCE, BOSTON	1983	131	35 Lb. Carton	4,382	20
	1984	172		19,539	117
	1985	255		2,193	10
	1986	281		57,556	383
	1987	422		8,253	49

See footnotes at end of table. Continued--

OTHER VEGETABLES: Acres, production, and value, Arizona, 1983-87--continued

Crop	Year	Harvested acres 1/	Unit	Production 1/	Value of production 2/
		Acres			1,000 dol.
LETTUCE, LEAF	1983	681	35 Lb. Carton	463,661	2,320
	1984	824		450,198	3,078
	1985	1,028		746,343	4,254
	1986	1,678		1,674,847	12,310
	1987	2,287		1,511,139	6,573
LETTUCE, ROMAINE	1983	490	35 Lb. Carton	404,251	2,828
	1984	755		444,415	1,555
	1985	794		618,232	3,462
	1986	1,083		743,289	3,902
	1987	1,625		907,826	9,351
NAPA	1985	152	20 Lb. Carton	79,499	851
	1986	120		102,786	720
	1987	176		96,817	698
ONIONS, GREEN	1983	2,500	18 Lb. Carton	2,919,314	11,355
	1984	1,815		2,342,963	7,029
	1985	1,671		1,955,022	8,504
	1986	1,462		1,618,641	6,475
	1987	549		897,716	4,578
PARSLEY	1983	144	21 Lb. Carton	119,981	540
	1984	135		88,846	444
	1985	131		94,717	540
	1986	114		80,961	350
	1987	142		98,091	465
PUMPKINS	1983	378	Ton	359	32
	1984	211		823	165
	1985	200		1,271	102
	1986	265		400	12
	1987	248		1,395	145
RADISHES	1983	241	40 Lb. Carton	144,142	540
	1984	173		132,528	464
	1985	282		112,460	641
	1986	214		43,814	153
	1987	132		131,271	851
RAPINI	1983	683	25 Lb. Carton	240,195	1,680
	1984	567		212,264	698
	1985	761		222,968	1,784
	1986	708		182,113	1,002
	1987	601		241,057	1,367
SPINACH	1983	142	25 Lb. Carton	78,623	296
	1984	307		115,939	406
	1985	302		195,273	918
	1986	533		225,761	903
	1987	274		119,518	639
SQUASH	1983	176	24 Lb. Carton	22,415	36
	1984	94		18,591	102
	1985	133		32,201	277
	1986	450		151,950	1,368
	1987	374		98,161	1,005

See footnotes at end of table

Continued--

OTHER VEGETABLES: Acres, production, and value, Arizona, 1983-87--continued

Crop	Year	Harvested acres 1/	Unit	Production 1/	Value of production 2/
		Acres			1,000 dol.
SWEET CORN	1985	112	50 Lb. Carton	20,443	164
	1986	526		26,364	219
	1987	692		106,047	711
TOMATOES, FIELD	1985	140	Ton	4,650	298
	1986	144		2,880	179
	1987	140		5,775	341
TURNIPS	1983	274	25 Lb. Sack	138,984	521
	1984	309		148,086	666
	1985	268		126,002	630
	1986	244		105,531	422
	1987	247		78,610	193
MISCELLANEOUS VEGETABLES 4/	1983	1,023		5/	3,339
	1984	1,204		5/	3,715
	1985	829		5/	4,356
	1986	276		5/	1,631
	1987	883		5/	3,375

1/ Acreage and production figures from the Arizona Fruit and Vegetable Standardization Service reports. Production figures published are utilized production totals which can be affected by weather, market conditions, and vegetable quality.

2/ Value of production developed with the assistance of the Arizona Fruit and Vegetable Standardization Service, the Arizona Arizona Cooperative Extension Service, Market News Service, and local growers.

3/ Not available.

4/ Prior to 1985 includes asparagus, bell peppers, cilantro, celery, chili peppers, cucumbers, Maza corn, Mexican corn, miscellaneous melons, napa, rutabagas, and sweet corn; 1985 includes anise, arrugula, artichokes, bell peppers, cilantro, chili peppers, green beans, Maza corn, Mexican corn, miscellaneous melons, and rutabagas; 1986 includes anise, arrugula, artichokes, bell peppers, cilantro, green beans, Maza corn, Mexican corn, miscellaneous melons, and rutabagas; 1987 includes anise, artichokes, bell peppers, cilantro, green beans, Maza corn, Mexican corn, miscellaneous melons, and rutabagas.

5/ Not available due to the different units of production for these vegetables.

FRUITS AND NUTS

Fruit and nut crops make a significant contribution to Arizona's agricultural economy. For the 1986-87 growing season, the value of production of fruit and nut crops in Arizona totaled over $109 million, with citrus crops and grapes making up the largest percentage of this value.

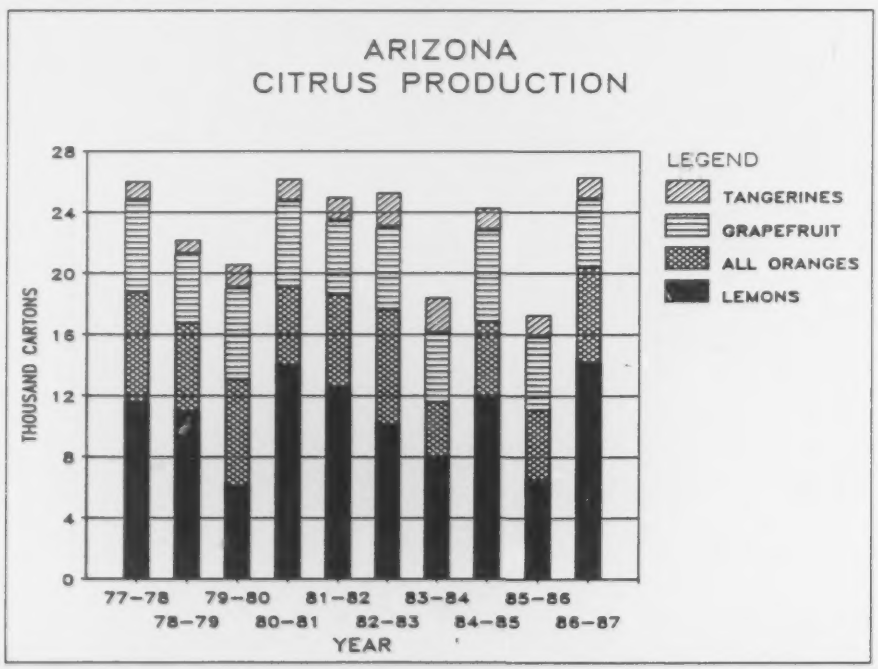
The value of sales for all citrus crops decreased 19.6 percent from the 1985-86 season to $67.9 million. This large decrease in value was due primarily to a 40 percent drop in the value of lemon production. There were 14.2 million cartons of lemons produced during 1986-87, over twice as much produced during the previous season. However, this large increase in lemon production resulted in prices being 5 to 6 dollars per carton lower than the previous season, which ultimately lowered the value of production for lemons.

Production for all varieties of oranges in Arizona increased from 4.6 million cartons during the 1985-86 season to 6.3 million cartons for the 1986-87 season, and value of production for all oranges totaled $19 million. Production of Valencia oranges totaled 4.4 million cartons at a value of $11.7 million, and 1.9 million cartons of navel, sweet, and miscellaneous oranges were produced at a value of $7.3 million. Grapefruit production in 1986-87 was down slightly from the previous season with production at 4.4 million cartons valuing $11.1 million. Tangerine production in 1986-87, unchanged from the previous season, was estimated at 1.4 million cartons, but the value of production increased $288,000 to $8.5 million due to a higher average price.

Grape production for 1987 was 21,000 tons, down 2,000 tons from 1986. There was, however, a substantial amount of unharvested grapes due to poor market conditions. This unharvested amount was estimated to be about 10,000 tons. Grapes used for raisins were reported for the first time in 1987. The total for these raisin grapes was 120 tons. Most of the grapes produced in Arizona are for fresh use, but there are an increasing amount of wine varieties planted each year due to a growing Arizona wine industry.

Apple production in Arizona totaled a record 605,000 cartons in 1987. There were 750 more acres in production in 1987 than in 1986, bringing the state total to 3,719 acres. Value of production was $3.3 million, about $1.1 million less than last year's crop. Other deciduous tree fruits grown in Arizona include apricots, nectarines, peaches, plums, and figs. The combined producing acreage for these fruits totaled 1,056 acres.

Producing acreage of tree nuts in Arizona totaled 18,224 acres, which was up slightly from 1986. Pecans make up most of this acreage with 14,118 acres in production during 1987. Other tree nuts produced in the state include pistachios, with 1,306 acres in production, and almonds, with 2,800 acres in production in 1987.



GRAPES: Acreage by area and variety, Arizona, 1983-88 1/

Area and year	Table Varieties				Wine Varieties	Total
	Flame Seedless	Perlette	Thompson Seedless	Other 2/		
	Acres					
MARICOPA						
1983	233	778	1,534	192	0	2,737
1984	313	919	1,701	160	0	3,093
1985	384	936	1,738	103	0	3,161
1986	1,024	824	1,205	74	0	3,127
1987	1,130	842	1,259	104	0	3,335
1988	1,311	801	1,123	104	0	3,339
YUMA						
1983	6	84	448	79	0	617
1984	47	84	448	79	0	658
1985	173	184	548	79	0	984
1986	249	259	608	79	0	1,195
1987	524	369	765	44	0	1,702
1988	513	498	741	60	0	1,812
OTHER COUNTIES 3/						
1983	13	115	262	30	5	425
1984	115	115	380	10	99	719
1985	194	141	340	0	250	925
1986	610	266	840	2	290	2,008
1987	620	266	867	10	300	2,063
1988	226	150	802	11	300	1,489
ARIZONA						
1983	252	977	2,244	301	5	3,779
1984	475	1,118	2,529	249	99	4,470
1985	751	1,261	2,626	182	250	5,070
1986	1,883	1,349	2,653	155	290	6,330
1987	2,274	1,477	2,891	158	300	7,100
1988	2,050	1,449	2,666	175	300	6,640

1/ Area acreage estimates developed with the assistance of Arizona Fruit and Vegetable Standardization Service, Arizona Cooperative Extension Service, Arizona Wine Growers Association, and local growers.
2/ Includes Robin, Cardinal, Black Beauty, and Exotic varieties.
3/ Includes Pinal, Cochise, and Santa Cruz counties.

GRAPES: Production, price, and value, Arizona, 1983-87

Year	Total production	Utilized production	Season average price 1/	Value of production
	Tons		Dol. per ton	1,000 dol.
1983	14,600	14,600	1,050.00	15,330
1984	14,000	14,000	1,310.00	18,340
1985	18,500	18,500	968.00	17,908
1986	23,000	23,000	1,090.00	25,070
1987	31,000	21,000	1,010.00	21,279

1/ Average price for the June 5-July 15 marketing season.

GRAPEFRUIT: Acreage and production, by varieties, Arizona, by counties, 1982/83-1986/87

County and crop year	Harvested 1/			Utilization of Production		
	White	Red Blush	All	Fresh 2/	Processed 2/	Total
		Acres			1,000 cartons 3/	
MARICOPA 4/						
1982/83	1,945	2,325	4,270	2,180	1,320	3,500
1983/84	2,305	2,305	4,610	1,980	1,020	3,000
1984/85	2,340	2,410	4,750	2,450	1,720	4,170
1985/86	1,860	1,990	3,850	1,340	1,310	2,650
1986/87	1,680	1,900	3,580	1,480	1,110	2,590
YUMA						
1982/83	310	2,220	2,530	1,060	840	1,900
1983/84	240	1,950	2,190	1,110	430	1,540
1984/85	280	2,070	2,350	1,450	380	1,830
1985/86	220	1,630	1,850	1,740	410	2,150
1986/87	290	2,030	2,320	1,300	510	1,810

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
2/ Production for all grapefruit.
3/ Net weight per carton, 32 pounds.
4/ Includes small acreage and production in Pinal County.

GRAPEFRUIT: Acreage, production, price, and value, Arizona, 1982/83-1986/87

Crop year	Harvested 1/	Utilization of Production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	Acres		1,000 cartons 3/		Dol. per ctn.	1,000 dol.
1982/83	6,800	3,240	2,160	5,400	1.28	6,885
1983/84	6,800	3,090	1,450	4,540	1.99	9,027
1984/85	7,100	3,900	2,100	6,000	2.83	16,940
1985/86	5,700	3,080	1,720	4,800	2.42	11,589
1986/87	5,700	2,780	1,620	4,400	2.53	11,126

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
2/ Equivalent packinghouse door returns. Marketing season November 1-July 31.
3/ Net weight per carton, 32 pounds.

GRAPEFRUIT: Season average price and equivalent returns by utilization, Arizona, 1982/83-1986/87

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1982/83	4.37	1.28	2.09	.06	.56	1.37	-.66
1983/84	5.20	1.99	2.94	-.04	1.27	2.22	-.76
1984/85	6.35	2.83	4.05	.55	2.09	3.32	-.19
1985/86	5.95	2.42	3.57	.35	1.68	2.83	-.40
1986/87	6.20	2.53	3.74	.45	1.77	2.98	-.32

1/ Net weight per carton, 32 pounds.

GRAPEFRUIT: Monthly prices and equivalent returns by utilization, Arizona, 1982/83-1986/87

Crop year and month	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1982/83							
Oct.	--	--	--	--	--	--	--
Nov.	3.97	1.46	1.69	.06	.74	.97	-.66
Dec.	3.84	1.18	1.56	.06	.46	.84	-.66
Jan.	3.73	1.18	1.45	.06	.46	.73	-.66
Feb.	3.69	1.00	1.41	.06	.28	.69	-.66
Mar.	3.90	.96	1.62	.06	.24	.90	-.66
Apr.	3.99	.97	1.71	.06	.25	.99	-.66
May	3.83	1.22	2.05	.06	.50	1.33	-.66
June	5.20	1.63	2.92	.06	.91	2.20	-.66
July	4.83	1.31	2.55	.06	.59	1.83	-.66
1983/84							
Oct.	4.60	1.89	2.37	-.04	1.17	1.65	-.76
Nov.	4.19	1.65	1.96	-.04	.93	1.24	-.76
Dec.	4.27	1.62	2.04	-.04	.90	1.32	-.76
Jan.	4.80	1.99	2.54	-.04	1.27	1.82	-.76
Feb.	4.88	1.96	2.62	-.04	1.24	1.90	-.76
Mar.	5.10	2.02	2.84	-.04	1.30	2.12	-.76
Apr.	5.40	2.08	3.14	-.04	1.36	2.42	-.76
May	5.75	2.24	3.49	-.04	1.52	2.77	-.76
June	5.50	1.65	3.24	-.04	.93	2.52	-.76
July	--	--	--	--	--	--	--
1984/85							
Oct.	5.85	3.02	3.59	.53	2.30	2.87	-.19
Nov.	5.95	3.19	3.69	.53	2.47	2.97	-.19
Dec.	6.35	3.66	4.09	.53	2.94	3.37	-.19
Jan.	6.55	3.71	4.31	.53	2.99	3.59	-.19
Feb.	7.10	3.50	4.86	.53	2.78	4.14	-.19
Mar.	6.15	2.69	3.78	.55	1.95	3.04	-.19
Apr.	5.85	1.99	3.48	.55	1.25	2.74	-.19
May	6.40	2.30	4.03	.55	1.56	3.29	-.19
June	6.45	2.18	4.08	.55	1.44	3.34	-.19
July	--	--	--	--	--	--	--
1985/86							
Sept.	6.65	3.79	4.28	.34	3.05	3.54	-.40
Oct.	6.65	3.67	4.28	.34	2.93	3.54	-.40
Nov.	6.50	3.16	4.13	.34	2.42	3.39	-.40
Dec.	6.45	3.08	4.08	.34	2.34	3.34	-.40
Jan.	6.10	2.67	3.73	.34	1.93	2.99	-.40
Feb.	5.80	2.38	3.43	.34	1.64	2.69	-.40
Mar.	5.15	1.83	2.78	.34	1.09	2.04	-.40
Apr.	5.45	1.95	3.08	.34	1.21	2.34	-.40
May	6.60	2.25	4.14	.37	1.50	3.39	-.38
June	6.65	1.49	4.19	.37	.74	3.44	-.38
July	--	--	--	--	--	--	--
1986/87							
Sept.	9.25	6.79	6.79	--	6.04	6.04	--
Oct.	8.75	5.46	6.29	.46	4.71	5.54	-.29
Nov.	6.15	3.40	3.69	.46	2.65	2.94	-.29
Dec.	5.50	2.53	3.04	.46	1.78	2.29	-.29
Jan.	5.50	2.48	3.04	.46	1.73	2.29	-.29
Feb.	5.15	2.14	2.69	.46	1.39	1.94	-.29
Mar.	4.39	1.60	1.93	.46	.85	1.18	-.29
Apr.	4.12	1.23	1.66	.46	.48	.91	-.29
May	6.20	2.43	3.74	.46	1.68	2.99	-.29
June	7.15	2.44	4.69	.44	1.64	3.89	-.36
July	4.65	1.32	2.19	.44	.52	1.39	-.36

1/ Net weight per carton, 32 pounds.

LEMONS: Acreage and production, Arizona, by counties, 1982/83-1986/87

County and crop year	Harvested 1/	Utilization of Production		
		Fresh	Processed	Total
	Acres		1,000 cartons 2/	
MARICOPA 3/				
1982/83	2,070	820	680	1,500
1983/84	2,110	840	640	1,480
1984/85	1,870	1,270	1,540	2,810
1985/86	2,000	650	500	1,150
1986/87	1,500	290	910	1,200
YUMA				
1982/83	17,390	3,940	4,660	8,600
1983/84	16,190	3,800	2,720	6,520
1984/85	15,130	3,510	5,680	9,190
1985/86	14,500	3,310	2,040	5,350
1986/87	14,300	4,400	8,600	13,000

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service for 1982/83; from Lemon Administrative Committee beginning with 1983/84.
2/ Net weight per carton, 38 pounds.
3/ Includes small acreage and production in Pinal County.

LEMONS: Acreage, production, price, and value, Arizona, 1982/83-1986/87

Crop year	Harvested 1/	Utilization of Production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	Acres		1,000 cartons 3/		Dol. per ctn.	1,000 dol.
1982/83	19,460	4,760	5,340	10,100	2.21	22,275
1983/84	18,300	4,640	3,360	8,000	2.42	19,320
1984/85	17,000	4,780	7,220	12,000	2.30	27,537
1985/86	16,500	3,960	2,540	6,500	7.52	48,844
1986/87	15,800	4,690	9,510	14,200	2.06	29,186

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service for 1982/83; from Lemon Administrative Committee beginning with 1983/84.
2/ Equivalent packinghouse door returns. Marketing season August 15-March 1.
3/ Net weight per carton, 38 pounds.

LEMONS: Season average price and equivalent returns by utilization, Arizona, 1982/83-1986/87

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1982/83	8.25	2.21	4.55	.12	.63	2.97	-1.46
1983/84	8.10	2.42	4.14	.04	.82	2.54	-1.56
1984/85	8.75	2.30	4.90	.57	.77	3.37	-.96
1985/86	15.60	7.52	11.85	.76	6.14	10.48	-.62
1986/87	8.25	2.06	4.54	.83	.68	3.16	-.55

1/ Net weight per carton, 38 pounds.

LEMONS: Monthly prices and equivalent returns by utilization, Arizona, 1982/83-1986/87

Crop year and month	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1982/83							
Sept.	11.70	4.40	8.00	.13	2.83	6.43	-1.45
Oct.	8.45	2.41	4.78	.12	.83	3.20	-1.46
Nov.	8.35	2.28	4.63	.12	.70	3.05	-1.46
Dec.	7.70	1.86	3.98	.12	.28	2.40	-1.46
Jan.	6.95	1.47	3.23	.12	.11	1.65	-1.46
Feb.	6.55	1.39	2.83	.12	.19	1.25	-1.46
Mar.	7.15	1.49	3.43	.12	.10	1.85	-1.46
Apr.	7.45	1.57	3.73	.12	.02	2.15	-1.46
May	--	--	--	--	--	--	--
June	--	--	--	--	--	--	--
1983/84							
Sept.	11.25	4.56	7.29	.04	2.96	5.69	-1.56
Oct.	9.20	3.29	5.24	.04	1.69	3.64	-1.56
Nov.	7.60	2.19	3.64	.04	.59	2.04	-1.56
Dec.	7.10	1.88	3.14	.04	.28	1.54	-1.56
Jan.	6.80	1.53	2.81	.04	.07	1.21	-1.56
Feb.	7.50	1.67	3.51	.04	.07	1.91	-1.56
Mar.	7.40	1.25	3.41	.04	.36	1.81	-1.56
Apr.	5.35	.67	1.36	.04	.71	.24	-1.56
May	10.00	3.77	6.01	.04	2.17	4.41	-1.56
June	--	--	--	--	--	--	--
1984/85							
Sept.	12.20	5.26	8.21	.57	3.66	6.61	-1.03
Oct.	8.65	2.80	4.82	.56	1.28	3.30	-.96
Nov.	7.70	2.17	3.87	.56	.65	2.35	-.96
Dec.	7.95	2.40	4.12	.56	.88	2.60	-.96
Jan.	8.25	1.97	4.42	.56	.45	2.90	-.96
Feb.	8.90	1.52	5.07	.56	-.01	3.55	-.96
Mar.	8.95	.95	5.12	.56	-.58	3.60	-.96
Apr.	7.90	.99	4.07	.84	-.53	2.55	-.68
May	--	--	--	--	--	--	--
June	--	--	--	--	--	--	--
1985/86							
Sept.	24.30	15.05	20.47	.84	13.53	18.95	-.68
Oct.	25.75	16.47	22.01	.83	15.11	20.65	-.53
Nov.	13.50	6.44	9.76	.74	5.08	8.40	-.62
Dec.	11.35	4.75	7.61	.74	3.39	6.25	-.62
Jan.	10.40	3.86	6.66	.74	2.50	5.30	-.62
Feb.	8.05	2.30	4.31	.74	.94	2.95	-.62
Mar.	6.40	1.12	2.66	.74	-.25	1.30	-.62
Apr.	4.71	.96	.97	.74	-.41	-.39	-.62
May	10.15	6.41	6.41	--	5.05	5.05	--
June	6.40	2.00	2.66	.74	.64	1.30	-.62
1986/87							
Sept.	7.65	2.52	3.94	.75	1.14	2.56	-.63
Oct.	8.50	3.07	4.79	.75	1.69	3.41	-.63
Nov.	8.20	2.59	4.49	.84	1.21	3.11	-.54
Dec.	8.25	2.23	4.54	.84	.85	3.16	-.54
Jan.	8.35	1.80	4.64	.84	.42	3.26	-.54
Feb.	9.60	1.62	5.89	.84	.24	4.51	-.54
Mar.	9.75	1.34	6.04	.84	-.05	4.66	-.54
Apr.	5.45	.99	1.74	.84	-.39	.36	-.54
May	2.57	.22	1.14	.84	-1.16	-2.52	-.54
June	--	--	--	--	--	--	--

1/ Net weight per carton, 38 pounds.

VALENCIA ORANGES: Acreage and production, Arizona, by counties, 1982/83-1986/87

County and crop year	Harvested 1/	Utilization of Production		
		Fresh	Processed	Total
	Acres	1,000 cartons 2/		
MARICOPA 3/				
1982/83	2,940	1,530	910	2,440
1983/84	2,960	990	120	1,110
1984/85	2,670	1,270	690	1,960
1985/86	2,430	900	340	1,240
1986/87	2,300	1,160	810	1,970
YUMA				
1982/83	4,590	1,730	1,330	3,060
1983/84	4,540	1,070	320	1,390
1984/85	4,030	1,370	270	1,640
1985/86	4,370	1,760	400	2,160
1986/87	4,300	1,700	730	2,430

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
2/ Net weight per carton, 37.5 pounds.
3/ Includes small acreage and production in Pinal County.

VALENCIA ORANGES: Acreage, production, price, and value, Arizona, 1982/83-1986/87

Crop year	Harvested 1/	Utilization of Production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	Acres	1,000 cartons 3/			Dol. per ctn.	1,000 dol.
1982/83	7,530	3,260	2,240	5,500	1.66	9,131
1983/84	7,500	2,060	440	2,500	3.85	9,630
1984/85	6,700	2,640	960	3,600	4.27	15,352
1985/86	6,800	2,660	740	3,400	3.01	10,241
1986/87	6,600	2,860	1,540	4,400	2.66	11,702

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
2/ Equivalent packinghouse door returns. Marketing season February 1-July 15.
3/ Net weight per carton, 37.5 pounds.

VALENCIA ORANGES: Season average price and equivalent returns by utilization, Arizona, 1982/83-1986/87

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1982/83	4.63	1.66	2.16	.94	.74	1.24	.02
1983/84	7.05	3.85	4.47	.96	2.98	3.60	.09
1984/85	7.85	4.27	5.28	1.49	3.40	4.41	.63
1985/86	6.40	3.01	3.80	.18	2.11	2.90	-.72
1986/87	6.25	2.66	3.72	.69	1.81	2.87	-.16

1/ Net weight per carton, 37.5 pounds.

VALENCIA ORANGES: Monthly prices and equivalent returns by utilization, Arizona, 1982/83-1986/87

Crop year and month	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1982/83							
Jan.	3.94	1.47	1.47	--	.55	.55	--
Feb.	4.19	1.37	1.72	.94	.45	.80	.02
Mar.	4.21	1.41	1.74	.94	.49	.82	.02
Apr.	4.24	1.43	1.77	.94	.51	.85	.02
May	4.85	1.85	2.38	.94	.93	1.46	.02
June	5.40	1.98	2.93	.94	1.06	2.01	.02
July	4.93	1.77	2.46	.94	.85	1.54	.02
Aug.	5.00	1.77	2.53	.94	.85	1.61	.02
1983/84							
Jan.	6.70	4.12	4.12	--	3.25	3.25	--
Feb.	6.45	3.38	3.87	.96	2.51	3.00	.09
Mar.	6.20	3.04	3.62	.96	2.17	2.75	.09
Apr.	7.25	4.06	4.67	.96	3.19	3.80	.09
May	9.05	5.76	6.47	.96	4.89	5.60	.09
June	7.00	3.73	4.42	.96	2.86	3.55	.09
July	--	--	--	--	--	--	--
Aug.	--	--	--	--	--	--	--
1984/85							
Jan.	10.75	8.13	8.13	--	7.26	7.26	--
Feb.	9.65	5.69	7.03	1.33	4.82	6.16	.46
Mar.	7.60	4.25	4.98	1.33	3.38	4.11	.46
Apr.	7.65	4.03	5.09	1.52	3.17	4.23	.66
May	8.10	4.55	5.54	1.52	3.69	4.68	.66
June	6.70	3.02	4.12	1.52	2.16	3.26	.66
July	5.85	3.27	3.27	--	2.41	2.41	--
Aug.	--	--	--	--	--	--	--
1985/86							
Jan.	6.70	4.10	4.10	--	3.20	3.20	--
Feb.	6.70	2.80	4.10	.18	1.90	3.20	-.72
Mar.	6.85	3.44	4.25	.18	2.54	3.35	-.72
Apr.	6.55	3.11	3.95	.18	2.21	3.05	-.72
May	6.10	2.72	3.50	.18	1.82	2.60	-.72
June	5.40	2.38	2.80	.18	1.48	1.90	-.72
July	4.23	1.12	1.63	.18	.22	.73	-.72
Aug.	--	--	--	--	--	--	--
1986/87							
Jan.	7.60	5.07	5.07	--	4.22	4.22	--
Feb.	7.60	3.78	5.07	.69	2.93	4.22	-.16
Mar.	6.15	2.54	3.62	.69	1.69	2.77	-.16
Apr.	6.00	2.50	3.47	.69	1.65	2.62	-.16
May	6.60	2.89	4.07	.69	2.04	3.22	-.16
June	5.95	2.55	3.42	.69	1.70	2.57	-.16
July	6.10	1.94	3.57	.69	1.09	2.72	-.16
Aug.	--	--	--	--	--	--	--

1/ Net weight per carton, 37.5 pounds.

NAVEL, SWEET, AND MISCELLANEOUS ORANGES: Acreage and production, Arizona, by counties, 1982/83-1986/87

County and crop year	Harvested 1/	Utilization of Production		
		Fresh	Processed	Total
	Acres	1,000 cartons 2/		
MARICOPA 3/				
1982/83	4,900	1,780	260	2,040
1983/84	5,050	940	130	1,070
1984/85	3,990	1,190	70	1,260
1985/86	3,910	1,020	130	1,150
1986/87	4,010	1,580	260	1,840
YUMA				
1982/83	210	50	10	60
1983/84	50	20	10	30
1984/85	210	30	10	40
1985/86	290	40	10	50
1986/87	290	50	10	60

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
2/ Net weight per carton, 37.5 pounds.
3/ Includes small acreage and production in Pinal County.

NAVEL, SWEET, AND MISCELLANEOUS ORANGES: Acreage, production, price, and value, Arizona, 1982/83-1986/87

Crop year	Harvested 1/	Utilization of Production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	Acres	1,000 cartons 3/			Dol. per ctn.	1,000 dol.
1982/83	5,110	1,830	270	2,100	4.37	9,166
1983/84	5,100	960	140	1,100	3.92	4,309
1984/85	4,200	1,220	80	1,300	6.06	7,873
1985/86	4,200	1,060	140	1,200	4.59	5,505
1986/87	4,300	1,630	270	1,900	3.85	7,319

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
2/ Equivalent packinghouse door returns. Marketing season November 1-March 15.
3/ Net weight per carton, 37.5 pounds.

NAVEL, SWEET, AND MISCELLANEOUS ORANGES: Season average price and equivalent returns by utilization, Arizona, 1982/83-1986/87

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
	Dollars per carton 1/						
1982/83	7.30	4.37	4.92	.60	3.54	4.09	-.23
1983/84	7.00	3.92	4.46	.19	3.11	3.65	-.62
1984/85	9.05	6.06	6.37	1.28	5.26	5.57	.48
1985/86	8.00	4.59	5.20	-.05	3.76	4.37	-.88
1986/87	7.15	3.85	4.50	-.06	3.03	3.68	-.88

1/ Net weight per carton, 37.5 pounds.

NAVEL, SWEET, AND MISCELLANEOUS ORANGES: Monthly prices and equivalent returns by utilization, Arizona, 1982/83-1986/87

Crop year and month	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1982/83							
Oct.	14.25	11.11	11.87	.60	10.28	11.04	-.23
Nov.	8.60	5.55	6.22	.60	4.72	5.39	-.23
Dec.	6.95	4.19	4.57	.60	3.36	3.74	-.23
Jan.	5.55	2.85	3.17	.60	2.02	2.34	-.23
Feb.	5.65	2.65	3.27	.60	1.82	2.44	-.23
1983/84							
Oct.	--	--	--	--	--	--	--
Nov.	7.35	4.27	4.82	.19	3.46	4.01	-.62
Dec.	6.45	3.56	3.92	.19	2.75	3.11	-.62
Jan.	7.40	3.96	4.84	.19	3.15	4.03	-.62
Feb.	6.05	3.13	3.49	.19	2.32	2.68	-.62
Mar.	5.45	2.89	2.89	--	2.08	2.08	--
1984/85							
Oct.	9.75	7.07	7.07	--	6.27	6.27	--
Nov.	9.40	6.23	6.72	1.28	5.43	5.92	.48
Dec.	9.20	6.26	6.52	1.28	5.46	5.72	.48
Jan.	8.65	5.82	5.97	1.28	5.02	5.17	.48
Feb.	8.10	5.18	5.42	1.28	4.38	4.62	.48
Mar.	5.25	2.57	2.57	--	1.77	1.77	--
1985/86							
Oct.	11.15	6.95	8.35	-.05	6.12	7.52	-.88
Nov.	9.05	5.71	6.25	-.05	4.88	5.42	-.88
Dec.	8.05	4.73	5.25	-.05	3.90	4.42	-.88
Jan.	6.80	3.33	4.00	-.05	2.50	3.17	-.88
Feb.	5.85	2.02	3.05	-.05	1.19	2.22	-.88
Mar.	5.35	2.55	2.55	--	1.72	1.72	--
1986/87							
Oct.	9.00	5.51	6.35	-.06	4.69	5.53	-.88
Nov.	8.40	5.10	5.75	-.06	4.28	4.93	-.88
Dec.	7.15	3.76	4.50	-.06	2.94	3.68	-.88
Jan.	5.90	2.65	3.25	-.06	1.83	2.43	-.88
Feb.	4.00	1.13	1.35	-.06	.31	.53	-.88
Mar.	3.65	.89	1.00	-.06	.07	.18	-.88

1/ Net weight per carton, 37.5 pounds.

ALL ORANGES: Acreage and production, Arizona, by counties, 1982/83-1986/87

County and crop year	Harvested 1/	Utilization of Production		
		Fresh	Processed	Total
	Acres		1,000 cartons 2/	
MARICOPA 3/				
1982/83	7,840	3,310	1,170	4,480
1983/84	8,010	1,930	250	2,180
1984/85	6,660	2,460	760	3,220
1985/86	6,340	1,920	470	2,390
1986/87	6,310	2,740	1,070	3,810
YUMA				
1982/83	4,800	1,780	1,340	3,120
1983/84	4,590	1,090	330	1,420
1984/85	4,240	1,400	280	1,680
1985/86	4,660	1,800	410	2,210
1986/87	4,590	1,750	740	2,490

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
2/ Net weight per carton, 37.5 pounds.
3/ Includes small acreage and production in Pinal County.

ALL ORANGES: Acreage, production, price, and value, Arizona, 1982/83-1986/87

Crop year	Harvested 1/	Utilization of Production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	Acres		1,000 cartons 3/		Dol. per ctn.	1,000 dol.
1982/83	12,640	5,090	2,510	7,600	2.41	18,297
1983/84	12,600	3,020	580	3,600	3.87	13,939
1984/85	10,900	3,860	1,040	4,900	4.74	23,225
1985/86	11,000	3,720	880	4,600	3.43	15,746
1986/87	10,900	4,490	1,810	6,300	3.02	19,021

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
2/ Equivalent packinghouse door returns.
3/ Net weight per carton, 37.5 pounds.

ALL ORANGES: Season average price and equivalent returns by utilization, Arizona, 1982/83-1986/87

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1982/83	5.60	2.41	3.15	.91	1.51	^.26	-.01
1983/84	7.05	3.87	4.47	.78	3.02	3.62	-.08
1984/85	8.25	4.74	5.62	1.47	3.90	4.78	.62
1985/86	6.85	3.43	4.20	.15	2.54	3.32	-.75
1986/87	6.60	3.02	4.01	.58	2.18	3.17	-.27

1/ Net weight per carton, 37.5 pounds.

ALL ORANGES: Monthly prices and equivalent returns by utilization, Arizona, 1982/83-1986/87

Crop year and month	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1982/83							
Oct.	14.25	11.11	11.87	.60	10.28	11.04	-.23
Nov.	8.60	5.55	6.22	.60	4.72	5.39	-.23
Dec.	6.95	4.19	4.57	.60	3.36	3.74	-.23
Jan.	5.50	2.80	3.11	.60	1.97	2.28	-.23
Feb.	5.20	2.16	2.80	.79	1.29	1.94	-.09
Mar.	4.25	1.44	1.79	.94	.53	.87	.02
Apr.	4.24	1.43	1.77	.94	.51	.85	.02
May	4.85	1.85	2.38	.94	.93	1.46	.02
June	5.40	1.98	2.93	.94	1.06	2.01	.02
July	4.93	1.77	2.46	.94	.85	1.54	.02
1983/84							
Oct.	--	--	--	--	--	--	--
Nov.	7.35	4.27	4.82	.19	3.46	4.01	-.62
Dec.	6.45	3.56	3.92	.19	2.75	3.11	-.62
Jan.	7.40	3.97	4.82	.19	3.16	4.01	-.62
Feb.	6.40	3.35	3.81	.88	2.48	2.95	.02
Mar.	6.20	3.04	3.62	.96	2.17	2.75	.09
Apr.	7.25	4.06	4.67	.96	3.19	3.80	.09
May	9.05	5.76	6.47	.96	4.89	5.60	.09
June	7.00	3.73	4.42	.96	2.86	3.55	.09
July	--	--	--	--	--	--	--
1984/85							
Oct.	9.75	7.07	7.07	--	6.27	6.27	--
Nov.	9.40	6.23	6.72	1.28	5.43	5.92	.48
Dec.	9.20	6.26	6.52	1.28	5.46	5.72	.48
Jan.	8.70	5.86	6.01	1.28	5.06	5.21	.48
Feb.	9.05	5.52	6.41	1.33	4.67	5.57	.46
Mar.	7.55	4.22	4.93	1.33	3.35	4.06	.46
Apr.	7.65	4.03	5.09	1.52	3.17	4.23	.66
May	8.10	4.55	5.54	1.52	3.69	4.68	.66
June	6.70	3.02	4.12	1.52	2.16	3.26	.66
July	5.85	3.27	3.27	--	2.41	2.41	--
1985/86							
Oct.	11.15	6.95	8.35	-.05	6.12	7.52	-.88
Nov.	9.05	5.71	6.25	-.05	4.88	5.42	-.88
Dec.	8.05	4.73	5.25	-.05	3.90	4.42	-.88
Jan.	6.80	3.42	4.02	-.05	2.58	3.18	-.88
Feb.	6.45	2.55	3.77	.11	1.67	2.89	-.77
Mar.	6.80	3.42	4.20	.18	2.52	3.31	-.72
Apr.	6.55	3.11	3.95	.18	2.21	3.05	-.72
May	6.10	2.72	3.50	.18	1.82	2.60	-.72
June	5.40	2.38	2.80	.18	1.48	1.90	-.72
July	4.23	1.12	1.63	.18	.22	.73	-.72
1986/87							
Oct.	9.00	5.51	6.35	-.06	4.69	5.53	-.88
Nov.	8.40	5.10	5.75	-.06	4.28	4.93	-.88
Dec.	7.15	3.76	4.50	-.06	2.94	3.68	-.88
Jan.	6.15	2.93	3.50	-.06	2.10	2.68	-.88
Feb.	5.55	2.40	2.98	.42	1.57	2.14	-.43
Mar.	5.90	2.41	3.35	.68	1.57	2.25	-.18
Apr.	6.00	2.50	3.47	.69	1.65	2.62	-.16
May	6.60	2.89	4.07	.69	2.04	3.22	-.16
June	5.95	2.55	3.42	.69	1.70	2.57	-.16
July	6.10	1.94	3.57	.69	1.09	2.72	-.16

1/ Net weight per carton, 37.5 pounds.

TANGERINES: Acreage and production, Arizona, by counties, 1982/83-1986/87

County and crop year	Harvested 1/	Utilization of Production		
		Fresh	Processed	Total
	Acres	1,000 cartons 2/		
MARICOPA 3/				
1982/83	2,020	963	600	1,563
1983/84	1,970	1,220	230	1,450
1984/85	2,000	930	210	1,140
1985/86	1,790	450	230	680
1986/87	1,610	710	190	900
YUMA				
1982/83	1,480	413	224	637
1983/84	1,530	580	270	850
1984/85	1,400	210	50	260
1985/86	1,510	610	110	720
1986/87	1,590	420	80	500

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
2/ Net weight per carton, 37.5 pounds.
3/ Includes small acreage and production in Pinal County.

TANGERINES: Acreage, production, price, and value, Arizona, 1982/83-1986/87

Crop year	Harvested 1/	Utilization of Production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	Acres	1,000 cartons 3/			Dol. per ctn.	1,000 dol.
1982/83	3,500	1,376	824	2,200	3.14	6,904
1983/84	3,500	1,800	500	2,300	3.53	8,108
1984/85	3,400	1,140	260	1,400	6.21	8,691
1985/86	3,300	1,060	340	1,400	5.89	8,247
1986/87	3,200	1,130	270	1,400	6.10	8,535

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
2/ Equivalent packinghouse door returns. Marketing season November 1-February 1.
3/ Net weight per carton, 37.5 pounds.

TANGERINES: Season average price and equivalent returns by utilization, Arizona, 1982/83-1986/87

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1982/83	8.00	3.14	4.36	.52	1.62	2.84	-1.01
1983/84	7.95	3.53	4.31	.70	2.00	2.79	-.83
1984/85	9.95	6.21	7.33	1.29	4.91	6.03	-.01
1985/86	10.35	5.89	7.73	.17	4.59	6.43	-1.13
1986/87	9.95	6.10	7.40	.64	4.81	6.11	-.65

1/ Net weight per carton, 37.5 pounds.

TANGERINES: Monthly prices and equivalent returns by utilization, Arizona, 1982/83-1986/87

Crop year and month	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1982/83							
Oct.	--	--	--	--	--	--	--
Nov.	8.55	3.35	4.91	.52	1.83	3.39	-1.01
Dec.	7.75	3.07	4.11	.52	1.54	2.59	-1.01
Jan.	8.20	3.59	4.56	.52	2.07	3.04	-1.01
Feb.	7.95	2.85	4.31	.52	1.32	2.79	-1.01
Mar.	7.85	2.75	4.21	.52	1.23	2.69	-1.01
Apr.	7.65	2.73	4.01	.52	1.20	2.49	-1.01
May	--	--	--	--	--	--	--
1983/84							
Oct.	--	--	--	--	--	--	--
Nov.	--	--	--	--	--	--	--
Dec.	8.15	4.51	4.51	--	2.99	2.99	--
Jan.	8.80	4.78	5.16	.70	3.26	3.64	-.83
Feb.	8.00	3.94	4.36	.70	2.42	2.84	-.83
Mar.	8.20	3.33	4.56	.70	1.80	3.04	-.83
Apr.	8.45	3.25	4.81	.70	1.73	3.29	-.83
May	4.71	.94	1.07	.70	.00	.46	-.83
1984/85							
Oct.	18.65	16.03	16.03	--	14.73	14.73	--
Nov.	8.85	5.33	6.23	1.29	4.03	4.93	-.01
Dec.	9.50	6.38	6.88	1.29	5.08	5.58	-.01
Jan.	10.55	6.83	7.93	1.29	5.53	6.63	-.01
Feb.	10.15	5.76	7.53	1.29	4.46	6.23	-.01
Mar.	9.85	5.56	7.23	1.29	4.26	5.93	-.01
Apr.	6.50	3.88	3.88	--	2.58	2.58	--
May	--	--	--	--	--	--	--
1985/86							
Oct.	10.65	8.03	8.03	--	6.73	6.73	--
Nov.	9.65	5.91	7.03	.17	4.61	5.73	-1.13
Dec.	11.15	6.93	8.53	.17	5.63	7.23	-1.13
Jan.	10.45	6.13	7.83	.17	4.83	6.53	-1.13
Feb.	10.50	5.07	7.88	.17	3.77	6.58	-1.13
Mar.	9.80	5.33	7.18	.17	4.03	5.88	-1.13
Apr.	7.80	4.55	5.18	.17	3.25	3.88	-1.13
May	3.51	.89	.89	--	-.42	-.42	--
1986/87							
Oct.	11.50	8.95	8.95	--	7.66	7.66	--
Nov.	10.00	5.99	7.45	.64	4.70	6.16	-.65
Dec.	11.25	6.95	8.70	.64	5.66	7.41	-.65
Jan.	11.25	7.00	8.70	.64	5.71	7.41	-.65
Feb.	7.95	4.53	5.40	.64	3.24	4.11	-.65
Mar.	6.85	3.93	4.30	.64	2.64	3.01	-.65
Apr.	.77	-1.78	-1.78	--	-3.07	-3.07	--
May	2.64	.09	.09	--	-1.20	-1.20	--

1/ Net weight per carton, 37.5 pounds.

DECIDUOUS FRUITS AND NUTS: Acreage in production, Arizona, by area, 1983-1988 1/

Crop and area	1983	1984	1985	1986	1987	1988
			Acres			
FRUIT						
APPLES						
Central	18	18	18	18	18	15
Eastern	873	951	1,832	2,951	3,701	4,232
Total	891	969	1,850	2,969	3,719	4,247
APRICOTS						
Central	52	93	98	166	173	190
Western	--	--	3	27	27	9
Total	52	93	101	193	200	199
FIGS						
Central	--	50	50	90	90	90
Total	--	50	50	90	90	90
NECTARINES						
Central	62	56	46	26	46	30
Total	62	56	46	26	46	30
PEACHES						
Central	167	179	130	90	123	78
Eastern	334	309	422	447	448	249
Western	--	--	9	56	57	60
Total	501	488	561	593	628	387
PLUMS						
Central	390	400	338	162	92	13
Total	390	400	338	162	92	13
NUTS						
PECANS						
Central	10,665	10,392	10,392	9,345	9,317	8,793
Eastern	670	2,756	2,823	3,344	3,359	3,840
Western	1,253	1,123	1,261	1,419	1,442	1,419
Total	12,588	14,271	14,476	14,108	14,118	14,052
PISTACHIOS						
Central	411	457	541	521	484	459
Eastern	837	186	270	590	670	1,029
Western	10	150	250	152	152	157
Total	1,258	793	1,061	1,263	1,306	1,645
ALMONDS						
Central	--	--	2,800	2,800	2,800	0
Total	--	--	2,800	2,800	2,800	0

1/ Central area includes Maricopa and Pinal counties, eastern area includes Graham, Cochise, Pima, and Santa Cruz counties, and western area includes La Paz and Yuma counties.

Source: Arizona Fruit and Vegetable Standardization Service.

DECIDUOUS FRUITS: Acres, production, and value, Arizona, 1983-87 1/

Crop	Year	Acres in production	Unit	Utilized Production	Value of production
		Acres		1,000 units	1,000 dollars
APPLES	1983	891	40 lb. carton	7	42
	1984	969		78	585
	1985	1,850		110	770
	1986	2,969		400	4,400
	1987	3,719		605	3,328
APRICOTS	1983	52	22 lb. lug	10	70
	1984	93		2	20
	1985	101		6	57
	1986	193		13	167
	1987	200		14	110
NECTARINES	1983	62	22 lb. lug	13	139
	1984	56		10	98
	1985	46		13	127
	1986	26		7	79
	1987	46		8	44
PEACHES	1983	501	22 lb. lug	68	543
	1984	488		73	654
	1985	561		31	250
	1986	593		33	198
	1987	628		113	465
PLUMS	1983	390	22 lb. lug	81	678
	1984	400		16	95
	1985	338		34	206
	1986	162		16	165
	1987	92		38	153

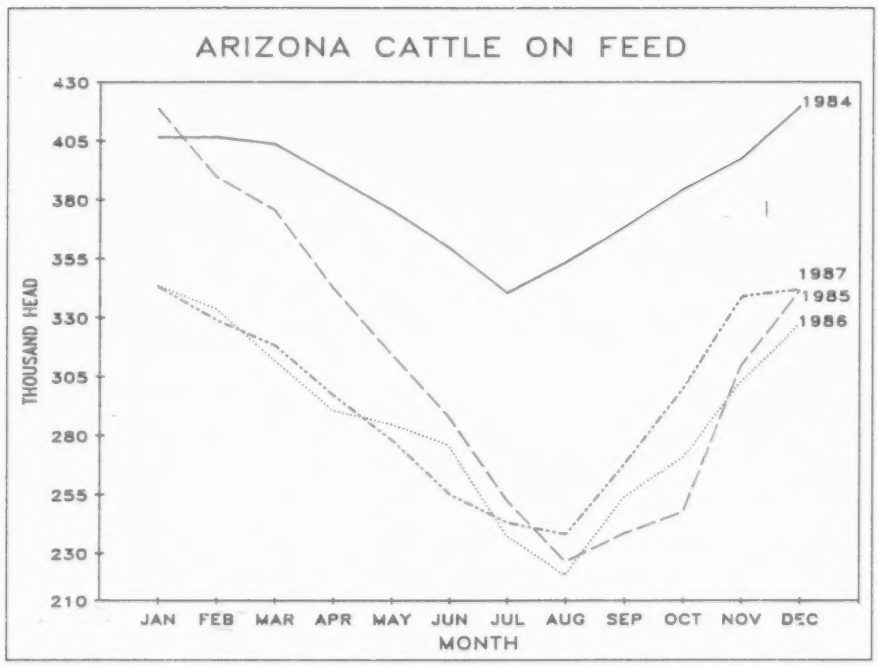
1/ Developed with the assistance of the Arizona Fruit and Vegetable Standardization Service, the Arizona Cooperative Extension Service, Market News Service, and local growers.

CATTLE AND CALVES

Arizona's cattle and calf inventory totaled 960,000 head as of January 1, 1988, 4 percent below 1987 and 9 percent below 1986. This represents the lowest inventory since 1959 when the number of head totaled 949,000. The cattle inventory in Arizona has been cyclical over the years. From a peak of 1.75 million head in 1918, the numbers leveled off during the years 1927-1959 with a range of 700,000 to 900,000 head. From 1960-1987, the inventory was at or over the 1 million head mark except for 1984 when inventory was at 980,000.

Gross income totaled $488.1 million during 1987, up 15 percent from 1986. This increase in gross income can be attributed to higher prices received for cattle and calves. During 1987, all cattle prices increased 18 percent to $61.00 per hundredweight and calves increased 28 percent to $74.90 per hundred weight. Marketings totaled 788 million pounds, down 3 percent from 1986. The prices received for beef were high enough to offset a decrease in marketings allowing the cattle industry to make a gain over 1986 receipts.

Arizona had 20 feedlots in operation during 1987, down from 22 the previous year. The average number of cattle on feed for the year was 296,000 head, up 3 percent from 1986. Placements totaled 548,000 head, up 10 percent from the previous year. Marketings of fed cattle totaled 460,000 head in 1987, down slightly from 1986. These sales accounted for 62 percent of total cattle marketed in the state. There were 351,000 cattle on feed as January 1, 1988. Steers and heifers less than 500 pounds totaled 63,000 head, 500-699 pounds numbered 124,000, 700-899 pounds totaled 90,000, and 900 pounds and over tallied 74,000. Inshipments totaled 540,000 head in 1987 which was up slightly from the 530,000 head in 1986. Cattle shipped into the state are usually destinated for feedlots and are typically shipped in from Texas, Mexico, New Mexico, Florida, Mississippi, and California.



ALL CATTLE AND MILK COWS: Number of operations and inventory, Arizona and United States, January 1, 1984-88 1/

Year	Arizona				United States			
	All cattle and calves		Milk cows		All cattle and calves		Milk cows	
	Operations	Head	Operations	Head	Operations	Head	Operations	Head
	Number	Thousand	Number	Thousand	Number	Thousand	Number	Thousand
1984	5,200	980	850	82	1,543,490	113,700	284,740	11,109
1985	5,500	1,050	900	83	1,493,880	109,749	271,920	10,805
1986	5,200	1,050	800	88	1,447,720	105,468	253,910	11,177
1987	5,000	1,000	800	87	1,410,070	102,000	233,320	10,502
1988	2/	960	2/	90	2/	98,994	2/	10,307

1/ An operation is any place having one or more head of the species on hand at any time during the year.
2/ Not available until January, 1989.

ALL CATTLE AND CALVES: Number on farms and value, Arizona, January 1, 1984-88

Year	All cattle and calves	Cows		Heifers 500 lbs. & over			Steers 500 lbs. and over	Bulls 500 lbs. and over	Heifers, steers & bulls under 500 lbs.	Value of all cattle and calves	
		Beef cows	Milk cows	Beef cow replacement	Milk cow replacement	Other heifers				Per head	Total
				1,000 head						Dollars	1,000 Dol.
1984	980	268	82	32	15	14	305	24	240	385	377,300
1985	1,050	272	83	37	18	10	350	30	250	395	414,750
1986	1,050	293	88	47	21	10	306	31	254	375	393,750
1987	1,000	268	87	54	20	18	285	30	238	385	385,000
1988	960	260	90	51	19	14	299	27	200	500	480,000

ALL CATTLE AND CALVES: Inventory, supply, and disposition, Arizona, 1983-88

Year	Inventory January 1	Calf crop	Inshipments	Marketings 1/		Farm slaughter 2/	Deaths	
				Cattle	Calves		Cattle	Calves
				1,000 head				
1983	1,000	275	617	810	44	3	25	30
1984	980	305	686	785	68	3	30	35
1985	1,050	325	545	736	70	3	25	36
1986	1,050	310	530	760	72	3	25	30
1987	1,000	295	540	743	71	5	26	30
1988	960							

1/ Includes animals for slaughter market, as well as younger animals shipped to other States for feeding or breeding purposes. Excludes interfarm sales with the State and farm slaughter.
2/ Excludes custom slaughter for farmers at commercial establishments.

ALL CATTLE AND CALVES: Production and income, Arizona, 1983-87

Year	Production 1/	Marketings 2/	Average price per 100 pounds		Value of production	Cash receipts 3/	Value of home consumption	Gross income
			Cattle	Calves				
	1,000 lbs.		Dollars		1,000 Dol.			
1983	556,815	850,115	58.20	63.20	325,170	495,648	2,632	498,280
1984	603,925	836,840	60.30	59.40	363,898	504,388	4,594	508,982
1985	578,675	789,600	54.70	63.20	318,477	433,662	3,624	437,286
1986	552,270	812,910	51.90	58.60	287,311	423,085	2,774	425,859
1987	580,735	787,945	61.00	74.90	355,762	483,269	4,875	488,144

1/ Includes total live weight of livestock marketed, farm slaughter, and custom slaughter consumed on farms where produced, minus live weight of inshipments, and an increase or decrease in the live weight of inventory.
2/ Includes animals for slaughter market, as well as younger animals shipped to other States for feeding or breeding purposes. Excludes interfarm sales with the State and farm slaughter.
3/ Receipts from marketings and sale of farm slaughter.

ALL CATTLE AND CALVES: Number on farms, Arizona, by counties, January 1, 1984-88 1/

County and year	All cattle and calves	County and year	All cattle and calves	County and year	All cattle and calves
	1,000 head		1,000 head		1,000 head
APACHE		COCHISE		COCONINO	
1984	56	1984	62	1984	43
1985	65	1985	59	1985	46
1986	73	1986	58	1986	52
1987	57	1987	60	1987	48
1988	57	1988	60	1988	48
GILA		GRAHAM		GREENLEE	
1984	24	1984	30	1984	18
1985	26	1985	41	1985	19
1986	30	1986	44	1986	18
1987	40	1987	44	1987	10
1988	34	1988	40	1988	8
LA PAZ		MARICOPA		MOHAVE	
1984	3	1984	246	1984	40
1985	3	1985	262	1985	38
1986	2	1986	267	1986	35
1987	5	1987	250	1987	25
1988	4	1988	218	1988	18
NAVAJO		PIMA		PINAL	
1984	45	1984	45	1984	164
1985	47	1985	43	1985	168
1986	53	1986	49	1986	175
1987	60	1987	50	1987	155
1988	51	1988	46	1988	189
SANTA CRUZ		YAVAPAI		YUMA	
1984	13	1984	65	1984	126
1985	22	1985	73	1985	138
1986	20	1986	72	1986	102
1987	22	1987	65	1987	109
1988	20	1988	53	1988	114
ARIZONA					
1984	980				
1985	1,050				
1986	1,050				
1987	1,000				
1988	960				

1/ Includes range cattle and calves, milk cows, and cattle on feed.

MILK COWS: Number on farms, Arizona, by counties, January 1, 1984-88

County and year	Milk cows	County and year	Milk cows	County and year	Milk cows
	1,000 head		1,000 head		1,000 head
MARICOPA		PIMA		PINAL	
1984	70	1984	6	1984	2
1985	71	1985	4	1985	2
1986	79	1986	4	1986	2
1987	78	1987	4	1987	3
1988	80	1988	5	1988	3
OTHER COUNTIES		ARIZONA			
1984	4	1984	82		
1985	6	1985	83		
1986	3	1986	88		
1987	2	1987	87		
1988	2	1988	90		

CATTLE AND CALVES: Number on feed, placements, marketings, and other disappearance, Arizona, 1983-87

MONTH	1983	1984	1985	1986	1987
			1,000 Head		
JANUARY					
Number on feed January 1	385	407	419	344	343
Placed on feed during January	45	54	33	23	31
Marketed during January	36	46	44	28	33
Other disappearance during January	15	8	18	5	12
FEBRUARY					
Number on feed February 1	379	407	390	334	329
Placed on feed during February	32	52	30	14	32
Marketed during February	38	51	35	32	33
Other disappearance during February	13	4	9	4	10
MARCH					
Number on feed March 1	360	404	376	312	318
Placed on feed during March	31	48	26	20	29
Marketed during March	41	49	45	40	41
Other disappearance during March	2	13	14	1	9
APRIL					
Number on feed April 1	348	390	343	291	297
Placed on feed during April	38	64	27	31	36
Marketed during April	47	53	52	36	46
Other disappearance during April	2	25	3	1	9
MAY					
Number on feed May 1	337	376	315	285	278
Placed on feed during May	79	53	39	46	44
Marketed during May	57	51	52	45	54
Other disappearance during May	2	17	14	10	13
JUNE					
Number on Feed June 1	357	360	288	276	255
Placed on feed during June	57	56	39	21	52
Marketed during June	54	64	68	58	62
Other disappearance during June	4	11	6	1	2
JULY					
Number on feed July 1	356	341	253	238	243
Placed on feed during July	48	61	31	34	45
Marketed during July	47	46	55	50	43
Other disappearance during July	8	2	2	1	7
AUGUST					
Number on feed August 1	349	354	227	221	238
Placed on feed during August	66	67	56	74	67
Marketed during August	45	46	42	39	34
Other disappearance during August	4	6	2	2	3
SEPTEMBER					
Number on feed September 1	366	369	239	254	268
Placed on feed during September	48	68	50	52	64
Marketed during September	44	46	33	34	26
Other disappearance during September	7	6	8	1	6
OCTOBER					
Number on feed October 1	363	385	248	271	300
Placed on feed during October	77	69	95	74	69
Marketed during October	39	46	27	41	28
Other disappearance during October	7	10	6	1	2
NOVEMBER					
Number on feed November 1	394	398	310	303	339
Placed on feed during November	59	60	69	59	39
Marketed during November	39	35	31	32	33
Other disappearance during November	7	3	6	2	3
DECEMBER					
Number on feed December 1	407	420	342	328	342
Placed on feed during December	65	45	37	49	40
Marketed during December	46	36	26	27	27
Other disappearance during December	19	19	10	9	4

CATTLE ON FEED: Inventory by class and weight group, Arizona, quarterly, January 1, 1983 - January 1, 1988

Date	Total	Steers & steer calves	Heifers & heifer calves	Cows and other	Weight group				
					Under 500 lbs.	500-699 lbs.	700-899 lbs.	900-1099 lbs.	1100 lbs. & over
	1,000 head								
1983									
Jan. 1	385	374	10	1	105	127	99	51	2
Apr. 1	348	340	7	1	49	106	118	71	3
July 1	356	345	11	0	66	79	118	89	4
Oct. 1	363	344	19	0	77	91	97	88	10
1984									
Jan. 1	407	399	8	0	113	121	108	57	8
Apr. 1	390	383	7	0	49	103	114	113	11
July 1	341	332	9	0	81	85	106	68	1
Oct. 1	385	378	7	0	111	110	92	59	13
1985									
Jan. 1	419	414	5	0	70	123	128	93	5
Apr. 1	343	336	7	0	40	56	124	116	7
July 1	253	247	6	0	47	60	88	50	8
Oct. 1	248	244	4	0	59	82	59	44	4
1986									
Jan. 1	344	337	7	0	57	124	116	42	5
Apr. 1	291	283	8	0	43	82	102	58	6
July 1	238	230	8	0	27	49	73	85	4
Oct. 1	271	267	4	0	60	86	71	50	4
1987									
Jan. 1	343	334	9	0	86	124	92	38	3
Apr. 1	297	291	6	0	35	78	118	65	1
July 1	243	239	4	0	36	66	84	55	2
Oct. 1	300	296	4	0	90	95	70	43	2
1988									
Jan. 1	351	343	8	0	63	124	90	73	1

CATTLE ON FEED: Number of feedlots and marketings by capacity, Arizona, 1983-87

Year	Feedlot capacity in number of head							
	Under 1,000 - 15,999		16,000 - 31,999		32,000 and over		Total	
	Lots	Cattle Marketed	Lots	Cattle Marketed	Lots	Cattle Marketed	Lots	Cattle Marketed
	Number	1,000 head	Number	1,000 head	Number	1,000 head	Number	1,000 head
1983	10	28	11	259	5	246	26	533
1984	13	51	8	238	5	281	26	570
1985	13	36	6	159	6	315	25	510
1986	10	19	6	159	6	284	22	462
1987	9	17	6	177	5	266	20	460

CATTLE ON FEED: Arizona, by counties, monthly, 1983-87

County	Jan. 1	Feb. 1	Mar. 1	Apr. 1	May 1	June 1	July 1	Aug. 1	Sept.1	Oct. 1	Nov. 1	Dec. 1
						1,000 Head						
						1983						
Maricopa	105	104	100	95	90	97	93	90	93	89	95	92
Pinal	145	141	127	121	122	134	144	145	159	170	186	192
Yuma	130	129	128	127	121	122	115	110	110	100	109	119
Other	5	5	5	5	4	4	4	4	4	4	4	4
ARIZONA	385	379	360	348	337	357	356	349	366	363	394	407
						1984						
Maricopa	93	128	125	122	120	117	111	113	111	112	122	140
Pinal	187	145	147	136	125	112	104	113	130	140	142	147
Yuma	122	130	129	129	128	127	123	125	125	130	131	131
Other	5	4	3	3	3	4	3	3	3	3	3	2
ARIZONA	407	407	404	390	376	360	341	354	369	385	398	420
						1985						
Maricopa	140	132	127	112	105	93	81	74	74	78	99	108
Pinal	142	129	121	108	100	92	79	70	84	90	120	139
Yuma	133	126	125	119	107	99	91	82	80	80	91	95
Other	4	3	3	4	3	4	2	1	1	0	0	0
ARIZONA	419	390	376	343	315	288	253	227	239	248	310	342
						1986						
Maricopa	105	102	92	89	95	92	83	79	87	87	100	112
Pinal	140	133	124	113	103	94	75	66	87	96	114	120
Yuma	99	99	96	89	87	90	80	76	80	88	89	96
Other	0	0	0	0	0	0	0	0	0	0	0	0
ARIZONA	344	334	312	291	285	276	238	221	254	271	303	328
						1987						
Maricopa	105	92	81	70	61	55	48	45	52	60	67	66
Pinal	133	139	137	131	116	106	106	106	117	131	157	164
Yuma	105	98	100	96	101	94	89	87	99	109	115	112
Other	0	0	0	0	0	0	0	0	0	0	0	0
ARIZONA	343	329	318	297	278	255	243	238	268	300	339	342
						1988						
Maricopa	68											
Pinal	169											
Yuma	113											
Other	1											
ARIZONA	351											

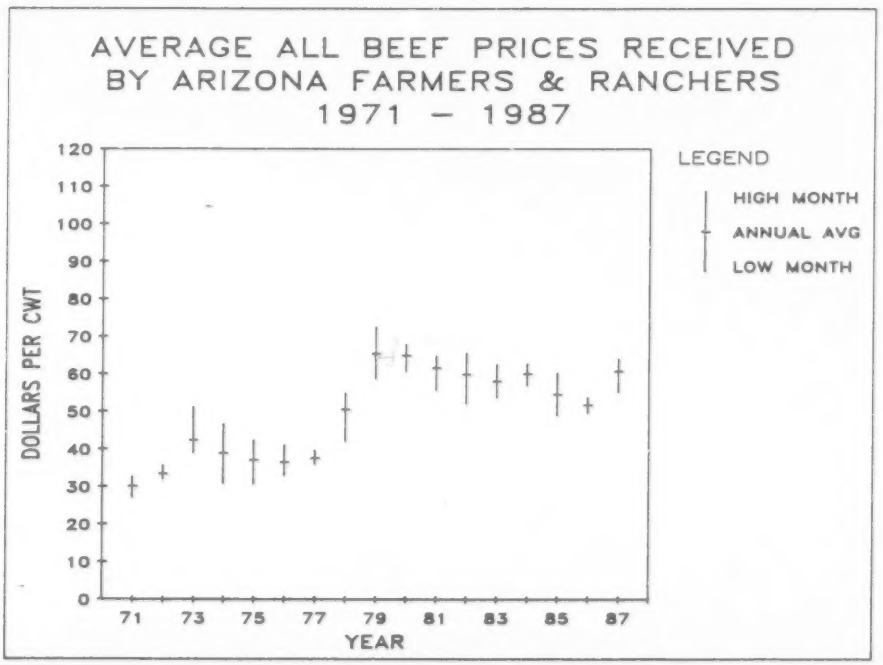
FED CATTLE MARKETED FOR SLAUGHTER: Arizona, by counties, 1983-87

Year	Maricopa	Pinal	Yuma	Other	Total
			1,000 head		
1983	216	160	149	8	533
1984	209	197	155	9	570
1985	187	166	153	4	510
1986	173	174	115	0	462
1987	136	188	136	0	460

ALL CATTLE: Monthly and marketing year average prices received by producers, Arizona, 1983-87

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Marketing year average
						Dollars per cwt.							
						ALL BEEF CATTLE 1/							
1983	55.20	59.80	62.70	62.00	60.60	59.60	59.10	57.20	55.40	53.80	55.20	59.10	58.20
1984	62.10	61.60	62.20	63.00	59.60	59.70	61.20	60.00	58.00	57.80	60.10	57.10	60.30
1985	59.40	60.50	59.70	56.60	55.40	54.50	51.50	49.50	49.10	52.50	53.30	53.40	54.70
1986	52.50	51.40	52.80	49.80	51.40	50.60	54.00	54.00	52.40	52.90	50.20	51.10	51.90
1987	55.30	58.70	60.60	63.10	64.20	63.50	60.80	61.10	61.60	57.60	57.60	59.90	61.00
						STEERS AND HEIFERS							
1983	60.00	62.10	65.30	67.90	64.70	63.00	61.40	60.60	57.50	57.90	58.10	63.20	61.50
1984	66.30	64.70	66.40	65.50	62.70	62.00	63.00	61.80	60.70	61.60	64.00	63.70	63.40
1985	63.30	63.70	61.90	58.70	57.80	56.20	52.40	52.80	52.40	57.60	60.40	60.60	57.90
1986	58.60	55.80	55.50	52.90	53.70	52.40	55.10	56.60	55.40	57.60	56.70	57.90	55.20
1987	58.50	62.40	62.80	66.70	67.50	65.80	63.30	65.50	66.80	64.60	64.40	64.00	64.60
						CALVES							
1983	62.70	64.70	72.30	66.40	64.00	62.70	58.90	62.00	58.00	59.10	60.80	63.00	63.20
1984	60.40	60.50	60.70	59.20	56.90	54.60	57.50	62.20	57.90	59.70	57.00	60.50	59.40
1985	66.60	68.90	66.50	66.70	64.70	57.30	51.00	56.20	58.30	63.60	60.50	60.70	63.20
1986	59.50	60.70	55.80	54.50	52.50	51.20	54.30	59.70	63.10	60.70	62.60	60.60	58.60
1987	65.10	68.80	69.40	72.20	72.70	72.50	73.60	81.70	87.40	79.90	81.60	78.70	74.90
						COWS							
1983	35.30	40.50	42.60	40.50	40.10	39.50	38.20	38.60	37.60	36.00	34.90	34.70	38.00
1984	35.90	39.50	42.40	43.70	36.70	38.40	36.50	39.20	37.60	38.40	33.70	34.90	38.30
1985	39.10	41.60	41.30	40.00	36.50	35.10	34.00	34.30	33.20	33.10	32.50	32.80	35.70
1986	34.10	35.90	36.80	34.00	33.70	33.30	33.40	36.70	37.90	34.90	34.00	35.00	35.00
1987	40.00	41.80	43.00	42.20	41.40	41.70	42.50	44.50	45.70	43.00	42.10	43.30	42.60

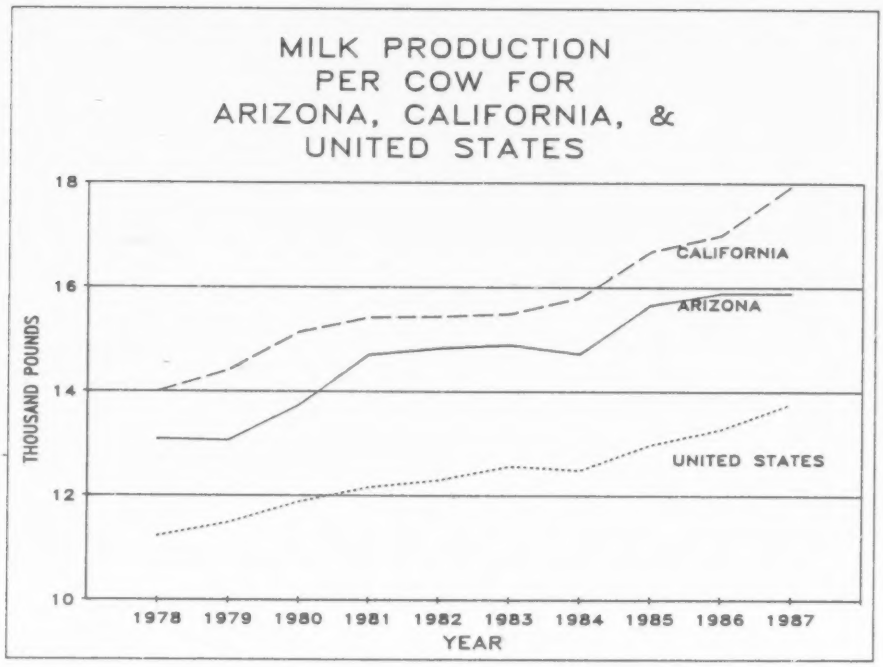
1/ Includes steers and heifers, and cows.



DAIRY

The 1986 Dairy Buyout Program was implemented to reduce dairy herd size on a national level. In Arizona, the average number of cows milked actually increased 5 percent in 1987 to a record 90,000 head. This increase was mainly the result of the expansion of existing dairies as well as the introduction of a few new operations. Milk production per cow in Arizona was also at a record high in 1987, with an average of 15,911 pounds per milk cow being produced. This was only a 4 pound increase from 1986, and moved Arizona from fourth to fifth in National State rankings of milk production per cow. Arizona's total milk production also hit a record high in 1987 with 1.432 billion pounds being produced. The sharp 64 million pound increase in Arizona, however, did not match the national trend of declining milk production. Total U.S. milk production was down 919 million pounds from 1986. The increase in Arizona milk production was primarily a result of dairy expansion.

Producer's cash receipts from milk were up 9.681 million dollars in 1987 to 182.5 million dollars. This increase was primarily due to a 65 million pound increase in milk marketed and a 10 cent increase in the price per cwt. of milk from 1986. Also, television commercials sponsored by United Dairymen that encourage milk consumption may be having positive effects and increasing consumer demand for milk.



DAIRY: Milk cows and milk production, Arizona, quarterly, 1983-87

Year	Milk Cows					Milk Production				
	Jan.-Mar.	Apr.-June	July-Sept.	Oct.-Dec.	Average number during year	Jan.-Mar.	Apr.-June	July-Sept.	Oct.-Dec.	Annual Total
	1,000 head					Million lbs.				
1983	83	83	83	82	83	319	331	282	305	1,237
1984	83	83	82	82	83	329	330	263	300	1,222
1985	84	86	87	88	86	335	360	315	338	1,348
1986	89	87	83	84	86	368	363	303	334	1,368
1987	89	91	91	90	90	366	371	331	364	1,432

DAIRY: Milk cows, production of milk and milkfat, and value, Arizona, 1983-87

Year	Milk cows 1/	Production per milk cow		Milkfat percent	Total production		Value	
		Milk	Milkfat		Milk	Milkfat	Fluid milk per 100 lbs.	Total milk produced 2/
	1,000 head	Lbs.			Million lbs.		Dollars	1,000 dol.
1983	83	14,904	540	3.62	1,237	44.8	13.90	172,226
1984	83	14,723	532	3.61	1,222	44.1	13.80	169,135
1985	86	15,674	580	3.70	1,348	49.9	13.10	176,671
1986	86	15,907	587	3.69	1,368	50.5	12.70	173,736
1987	90	15,911	592	3.72	1,432	53.3	12.80	183,296

1/ Average number on farms during year, excluding heifers not yet fresh.
2/ Includes sales of milk, cream and butter, value of milk used for home consumption and value of milk fed to calves.

MILK USED AND MARKETED BY PRODUCERS: Arizona, 1983-87

Year	Milk used where produced			Milk marketed by producers		
	Fed to calves	Used for milk, cream, and butter	Total	Sold to plants and dealers	Sold directly to consumers	Total
			Million lbs.			
1983	6	1	7	1,225	5	1,230
1984	6	1	7	1,210	5	1,215
1985	6	1	7	1,340	1	1,341
1986	6	1	7	1,361	1/ --	1,361
1987	5	1	6	1,426	1/ --	1,426

1/ Sales nominal. Included with milk sold to plants and dealers.

MILK PRODUCTION: Marketings and income, Arizona, 1983-87

Year	Combined marketings of milk and cream				Used for milk, cream and butter where produced		Gross producer income
	Milk utilized	Average returns		Cash receipts from marketings	Milk utilized	Value	
		Per 100 lbs. of milk	Per lb. of milkfat				
	Million lbs.	Dollars		1,000 dol.	Million lbs.	1,000 dol.	
1983	1,230	13.92	3.85	171,252	1	139	171,391
1984	1,215	13.84	3.83	168,166	1	138	168,304
1985	1,341	13.11	3.54	175,754	1	131	175,885
1986	1,361	12.70	3.44	172,847	1	127	172,974
1987	1,426	12.80	3.44	182,528	1	128	182,656

GRAIN AND OTHER CONCENTRATES: Quantity fed to milk cows and value, Arizona, 1983-87 1/

Year	Quantity fed to milk cows			Value of feed fed per cwt.	Feed value per cwt. of milk produced
	Total	Per cow	Per cwt. of milk produced		
	1,000 tons	Pounds	Pounds	Dollars	Dollars
1983	291	7,000	47	7.78	3.66
1984	287	6,920	47	8.00	3.76
1985	310	7,210	46	7.14	3.28
1986	322	7,480	47	6.72	3.16
1987	351	7,800	49	6.22	3.06

1/ Estimates for all places where milk produced, either for sale or for home use.

ICE CREAM: Production, Arizona, monthly and annual, 1983-87

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	1,000 gallons												
1983	496	509	584	555	600	674	623	572	550	523	326	429	6,441
1984	534	587	555	551	645	586	596	620	521	559	418	393	6,565
1985	458	550	518	605	635	618	612	591	546	572	397	435	6,537
1986	639	468	672	615	619	547	627	639	520	570	352	443	6,711
1987	450	594	595	688	642	707	679	619	540	592	460	340	6,906

ICE MILK: Production, Arizona, monthly and annual, 1983-87

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	1,000 gallons												
1983 1/													
1984	284	305	360	364	434	400	402	434	319	354	286	256	4,198
1985	331	310	388	416	472	435	431	439	412	443	326	320	4,723
1986	399	377	426	472	460	454	475	458	434	436	366	377	5,134
1987	351	441	490	517	515	576	611	494	518	488	394	361	5,756

1/ Production not published prior to 1984 to avoid disclosure of individual operations.

MILK SHERBET: Production, Arizona, monthly and annual, 1983-87

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	1,000 gallons												
1983	21	43	37	39	44	66	58	53	64	42	24	39	530
1984	45	55	45	56	55	64	53	80	48	54	32	39	626
1985	48	40	49	68	80	63	54	72	48	45	32	33	632
1986	79	33	58	44	53	86	70	51	39	51	29	45	638
1987	34	51	67	72	59	68	84	62	71	38	41	28	675

DAIRY PLANTS: Arizona, 1983-87 1/

1983	1984	1985	1986	1987
Number				
10	8	8	7	7

1/ Plants manufacturing one or more dairy products.

SHEEP AND LAMBS

Total inventory numbers of Arizona sheep and lambs increased slightly during 1987 to 284,000 head on January 1, 1988. The 1987 lamb crop of 120,000 head was 7 percent above 1986. Stock sheep accounted for 83 percent of the State's inventory; the remainder were fed sheep and lambs. Fed sheep and lambs decreased significantly from the 64,000 head on January 1, 1987 to 47,000 head in 1988.

The sheep industry was concerned with lamb imports during 1987, including live inshipments and frozen products. The industry has been lobbying for a quota to be established on lamb imports and textile imports consisting of wool.

Total sheep and lamb marketings during 1987 totaled 180,000 head, a decrease of 14 percent from a year earlier. There were 19.3 million pounds marketed in 1987. Cash receipts almost doubled in 1987, up 87 percent to 10.4 million dollars. This increase can be attributed to the increased price per hundredweight received in 1987. Sheep prices rose 40 percent to $21.40 per hundredweight and lambs increased 16 percent to $74.80 per hundredweight.

Wool production decreased 6 percent from 1986 to 1.9 million pounds. The number of head shorn decreased 12 percent to 269,000 head, however, the average fleece weight per head increased to 7.2 pounds per head. The price per pound increased 30 percent to 69 cents per pound. The total value of wool production increased 22 percent from 1986 to 1.3 million dollars.

SHEEP: Number of operations and inventory January 1, Arizona and United States, 1984-88 1/

Year	Arizona		United States	
	Operations	Head	Operations	Head
	Number	Thousand	Number	Thousand
1984	500	306	123,500	11,486.5
1985	550	266	117,370	10,442.7
1986	600	278	115,250	9,983.1
1987	550	283	113,690	10,334.2
1988	2/	284	2/	10,774.4

1/ An operation is any place having one or more sheep on hand during the year.
2/ Not available until January, 1989.

SHEEP AND LAMBS: Inventory, supply, and disposition, Arizona, 1983-January 1, 1988

Year	Inventory January 1	Lamb crop	Inship-ments	Marketings 1/		Farm slaughter2/	Deaths	
				Sheep	Lambs		Sheep	Lambs
	1,000 head							
1983	343	150	97	93	115	41	20	15
1984	306	125	99	131	88	20	15	10
1985	266	112	135	118	75	20	10	12
1986	278	112	138	157	52	15	10	11
1987	283	120	95	63	117	14	9	11
1988	284							

1/ Includes animals for slaughter market, as well as younger animals shipped to other states for feeding or breeding purposes. Excludes interfarm sales within the State and farm slaughter.
2/ Excludes custom slaughter for farmers at commercial establishments.

SHEEP AND LAMBS: Production and income, Arizona, 1983-87

Year	Production 1/	Marketings 2/	Average price per 100 pounds		Value of production	Cash receipts 3/	Value of home con-sumption	Gross income
			Sheep	Lambs				
	1,000 lbs.		Dollars		1,000 dol.			
1983	12,850	21,040	15.70	55.70	4,789	7,443	1,421	8,864
1984	11,640	23,000	17.90	60.70	4,288	7,511	626	8,137
1985	10,910	18,795	19.70	69.50	3,917	6,885	931	7,816
1986	9,790	21,190	15.30	64.60	3,445	5,554	507	6,061
1987	12,540	19,260	21.40	74.80	6,029	10,369	605	10,974

1/ Includes total live weight of livestock marketed, farm slaughter, and custom slaughter consumed on farms where produced, minus live weight of inshipments, and any increase or decrease in live weight of inventory.
2/ Includes animals for slaughter market, as well as younger animals shipped to other states for feeding or breeding purposes. Excludes interfarm sales within the State and farm slaughter.
3/ Receipts from marketings and sale of farm slaughter.

SHEEP AND LAMBS: Number on farms, Arizona, by counties, January 1, 1984-88

County and year	Stock sheep and lambs 1/	Sheep and lambs on feed 2/	All sheep and lambs 1/	New crop lambs	County and year	Stock sheep and lambs 1/	Sheep and lambs on feed 2/	All sheep and lambs 1/	New crop lambs
	1,000 head					1,000 head			
APACHE					COCONINO				
1984	82	0	82	6	1984	47	0	47	4
1985	91	0	91	10	1985	28	0	28	2
1986	95	0	95	13	1986	29	0	29	3
1987	85	0	85	8	1987	27	0	27	2
1988	92	0	92	7	1988	31	0	31	2
MARICOPA					NAVAJO				
1984	57	12	69	29	1984	49	0	49	3
1985	35	9	44	19	1985	59	0	59	6
1986	38	6	44	22	1986	62	0	62	7
1987	26	15	41	14	1987	55	0	55	5
1988	24	17	41	13	1988	59	0	59	4
PINAL					YUMA				
1984	14	13	27	8	1984	7	10	17	4
1985	9	8	17	5	1985	2	14	16	1
1986	11	12	23	6	1986	2	11	13	1
1987	9	18	27	3	1987	5	29	34	1
1988	13	14	27	4	1988	8	15	23	3
OTHER COUNTIES					ARIZONA				
1984	5	10	15	1	1984	261	45	306	55
1985	8	3	11	2	1985	232	34	266	45
1986	9	3	12	5	1986	246	32	278	57
1987	12	2	14	4	1987	219	64	283	37
1988	10	1	11	3	1988	237	47	284	36

1/ Excludes new crop lambs (those born after September 30 the previous year and on hand January 1).
2/ Includes sheep and lambs being fattened for slaughter market on grain, other concentrates, or succulent pastures. Excludes stock sheep and lambs and new crop lambs.

SHEEP: By class, farm value and lamb crop, Arizona, January 1, 1984-88

Year	Stock sheep & lambs 1/		Sheep and lambs on feed 2/	All sheep and lambs	Farm value		Lamb crop	
	Ewes	Rams and wethers			Per head	Total	Breeding ewes Jan. 1	Lambs saved
	1,000 head				Dollars	1,000 dol.	1,000 head	
1984	226	35	45	306	69.50	21,267	178	125
1985	196	36	34	266	62.00	16,492	148	112
1986	205	41	32	278	66.50	18,487	161	112
1987	185	34	64	283	68.00	19,244	144	120
1988	208	29	47	284	91.50	25,986	180	3/

1/ Ewes, rams and wethers of all ages excluding new crop lambs.
2/ Excludes stock sheep and lambs and new crop lambs.
3/ Not available until January, 1989.

WOOL PRODUCTION AND VALUE: Arizona, 1983-87

Year	All sheep shorn 1/	Weight per fleece	Shorn wool production	Average price per pound	Value of production 2/
	1,000 head	Lbs.	1,000 lbs.	Cents	1,000 dol.
1983	300	7.1	2,121	43	912
1984	281	7.2	2,017	51	1,029
1985	276	7.0	1,925	51	982
1986	305	6.7	2,055	53	1,089
1987	269	7.2	1,930	69	1,332

1/ Includes fed sheep shorn.
2/ Equivalent to cash receipts from farm marketings.

SHEEP, LAMBS, AND WOOL: Monthly and annual average prices received by producers, Arizona, 1983-87

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Marketing year average
							Dollars per cwt.						
							SHEEP						
1983	18.00	18.00	17.00	18.00	16.00	14.00	14.00	14.00	13.00	13.00	15.00	18.00	15.70
1984	18.00	21.00	18.00	18.00	16.00	16.50	17.00	19.00	19.70	19.60	21.00	26.20	17.90
1985	25.00	31.30	25.80	22.90	20.00	19.20	16.40	22.90	21.30	17.80	16.50	27.80	19.70
1986	29.00	24.80	15.00	15.20	24.30	26.50	32.20	22.90	24.20	20.30	20.80	21.40	15.30
1987	32.50	25.60	28.70	34.90	19.20	26.10	30.80	27.20	27.60	30.80	27.50	29.30	21.40
							LAMBS						
1983	54.00	59.00	60.00	58.00	57.00	53.00	49.00	48.00	48.00	51.00	55.00	58.00	55.70
1984	59.00	58.50	58.00	60.00	60.00	60.50	60.50	62.00	64.50	64.00	64.00	64.00	60.70
1985	66.50	69.90	70.00	68.40	70.00	70.00	70.00	65.10	63.90	62.10	59.90	60.30	69.50
1986	56.30	65.00	65.50	69.00	68.20	61.90	55.50	66.50	69.40	65.90	56.80	60.50	64.60
1987	74.00	74.00	74.50	1/	79.00	79.20	73.40	73.10	69.60	66.50	63.50	70.30	74.80
							WOOL						
1983	57.00	58.00	28.00	34.00	39.00	42.00	40.00	42.00	66.00	1/	72.00	73.00	43.00
1984	76.00	58.00	39.00	46.00	49.00	49.00	47.00	41.00	53.00	43.00	77.00	73.00	51.00
1985	75.00	75.00	61.00	36.00	40.00	41.00	63.00	45.00	48.00	66.00	67.00	64.00	51.00
1986	71.00	67.00	65.00	41.00	44.00	48.00	37.00	61.00	56.00	46.00	70.00	68.00	53.00
1987	82.00	85.00	77.00	54.00	59.00	53.00	50.00	90.00	84.00	85.00	77.00	94.00	69.00

1/ Insufficient sales.

POULTRY

CHICKENS ON FARMS: Inventory by class, Arizona, December 1, 1983-87 1/

Year	All chickens	Hens & pullets of laying age			Pullets 3 months + and not of laying age	Pullets under three months	Other chickens	Value per head	Total value
		Hens 1+	Pullets	Total					
				Thousand				Dollars	1,000 dol.
1983	400	280	100	380	12	4	4	1.95	780
1984	490	173	289	462	9	4	15	2.00	980
1985	460	298	82	380	56	9	15	1.55	713
1986	528	315	165	480	21	11	16	2.25	1,188
1987	385	221	149	370	6	4	5	1.60	616

1/ Does not include commercial broilers.

CHICKENS: Lost, sold, and value of sales, Arizona 1983-87 1/

Year	Number lost 2/	Number sold	Pounds sold	Price per pound	Value of sales
	1,000 head		1,000 lbs.	Cents	1,000 dol.
1983	39	263	1,052	7.3	50
1984	61	296	1,184	5.2	83
1985	45	202	808	5.5	44
1986	66	189	756	9.0	68
1987	54	403	1,612	10.0	161

1/ December 1 previous year through November 30; excludes broilers.
2/ Includes death and other losses.

LAYERS: Quarterly inventory, Arizona 1983-87 1/

Year	Layers				
	December - February	March - May	June - August	September - November	Average number during year
			Thousand		
1983	458	413	377	377	406
1984	395	368	387	456	401
1985	460	455	421	385	430
1986	409	475	502	485	468
1987	425	385	380	365	389

1/ December 1 previous year through November 30.

EGGS: Production and value, Arizona, 1983-87 1/

Year	Eggs Produced					Price per dozen	Value of production
	December - February	March - May	June - August	September - November	Annual total		
			Million			Cents	1,000 dol.
1983	27	25	24	26	102	55.2	4,692
1984	27	23	24	31	105	61.0	5,337
1985	32	26	20	21	99	53.0	4,373
1986	27	32	32	30	121	53.0	5,344
1987	26	25	25	22	98	41.0	3,348

1/ December 1 previous year through November 30.

HOGS AND PIGS

The inventory of all hogs and pigs in Arizona on December 1, 1987 totaled 130,000 head, 16 percent below 1986. Breeding hogs decreased 22 percent from the previous year to 14,000 head and market hogs decreased 15 percent to 116,000 head. The breakdown of market hogs was as follows: under 60 pounds totaled 34,000 head, down 13 percent; 60-119 pounds were at 30,000 head, down 19 percent; 120-179 pounds totaled 29,000 head, down 22 percent; 180 pounds and over came in at 23,000 head, down 4 percent. Inshipments totaled 9,000 head during 1987, an increase of 6,000 head from a year earlier. About 90 percent of the total inshipments were feeder pigs.

The pig crop for 1987 decreased 8 percent to 242,000 head from 30,000 sows farrowed. During the first half of the year (December-May), 15,000 sows farrowed with an average litter rate of 8.2 pigs, up from 7.8 during the same period a year earlier. During the second half of the year (June-November), the same number of sows farrowed as the first half of the year but with a smaller litter size of 7.9 pigs per litter. This was down from the 8.1 average recorded during the same period of 1986.

Marketings totaled 260,000 head during 1987, 5 percent below the 1986 sales recorded. The total liveweight of the 1987 head marketed came in at 58.2 million pounds. The average price received per head increased 4 percent from 1986 to $57.10 per hundredweight. Gross income generated by Arizona's pork industry for 1987 reached almost $33.6 million, a slight increase over last year's 33.4 million. The increase in the price per hundredweight offset the decrease in farm marketings. Commercial slaughter totaled 13,900 head in 1987, down 80 percent from last year and the lowest amount slaughtered in the state on record. The majority of the hogs marketed for slaughter are shipped to California.

HOGS: Number of operations and inventory December 1, Arizona and United States, 1983-87 1/

Year	Arizona		United States	
	Operations	Head	Operations	Head
	Number	Thousand	Number	Thousand
1983	590	150	462,110	56,694
1984	600	170	429,580	54,073
1985	650	175	391,000	52,313
1986	700	155	348,000	50,920
1987	650	130	332,760	53,795

1/ An operation is any place having one or more hogs and pigs on hand during the year.

HOGS AND PIGS: Inventory, supply, and disposition, Arizona, 1983-87

Year	Inventory Dec. 1 1/	Pig crop		Inshipments	Marketings 2/	Farm slaughter 3/	Deaths
		Dec.-May	June-Nov.				
	1,000 head						
1983	170	149	126	6	288	1	12
1984	150	144	137	10	258	1	12
1985	170	141	146	6	272	1	15
1986	175	125	138	3	274	1	11
1987	150	123	119	9	260	1	15
1988	130						

1/ December 1 of previous year.

2/ Includes animals for slaughter market, as well as younger animals shipped to other states for feeding or breeding purposes. Excludes interfarm sales within the State and farm slaughter.

3/ Excludes custom slaughter for farmers at commercial establishments.

HOGS AND PIGS: Production and income, Arizona, 1983-87

Year	Production 1/	Marketings 2/	Average price per cwt.	Value of production	Cash receipts 3/	Value of home consumption	Gross income
	1,000 lbs.		Dollars	1,000 dol.			
1983	62,339	64,966	49.20	30,622	31,963	397	32,360
1984	59,762	57,447	49.70	29,531	28,551	362	28,913
1985	59,335	59,699	46.00	27,197	27,462	304	27,766
1986	59,942	60,565	54.70	32,736	33,129	298	33,427
1987	54,480	58,200	57.10	30,967	33,232	328	33,560

1/ Includes total live weight of livestock marketed, farm slaughter, and custom slaughter consumed on farms where produced, minus live weight of inshipments, and any increase or decrease in live weight of inventory.

2/ Includes animals for slaughter market, as well as younger animals shipped to other states for feeding or breeding purposes. Excludes interfarm sales within the State and farm slaughter.

3/ Receipts from marketings and sale of farm slaughter.

HOGS AND PIGS: Number on farms, Arizona, by counties, December 1, 1983-87

County and year	Hogs and pigs	County and year	Hogs and pigs	County and year	Hogs and pigs
	1,000 head		1,000 head		1,000 head
COCHISE		GRAHAM		MARICOPA	
1983	19	1983	24	1983	10
1984	25	1984	26	1984	13
1985	29	1985	29	1985	17
1986	20	1986	24	1986	11
1987	12	1987	25	1987	11
NAVAJO		PINAL		YUMA	
1983	69	1983	13	1983	8
1984	81	1984	10	1984	5
1985	80	1985	10	1985	5
1986	85	1986	10	1986	1/
1987	71	1987	8	1987	1/
OTHER COUNTIES 2/		ARIZONA			
1983	7	1983	150		
1984	10	1984	170		
1985	5	1985	175		
1986	5	1986	155		
1987	3	1987	130		

1/ Included in other counties
2/ Includes estimates for counties not listed.

HOGS AND PIGS: Inventory by class, weight group, and farm value, Arizona, December 1, 1983-87

Year	Breeding	Market	Market hogs and pigs by weight group				All hogs	Value	
			Under 60 lbs.	60-119 lbs.	120-179 lbs.	180 lbs. and over		Per head	Total
			1,000 head					Dol.	1,000 dol.
1983	18	132	51	30	27	24	150	78.00	11,700
1984	20	150	51	40	31	28	170	92.00	15,640
1985	20	155	55	45	34	21	175	79.50	13,913
1986	18	137	39	37	37	24	155	112.00	17,360
1987	14	116	34	30	29	23	130	93.50	12,155

PIG CROP: Sows farrowed, pigs per litter, and pigs saved, Arizona, 1983-87

Year 1/	Total pig crop		December through May			June through November		
	Sows farrowed	Pigs saved	Sows farrowed	Pigs per litter	Pigs saved	Sows farrowed	Pigs per litter	Pigs saved
	Thousand	Thousand	Thousand		Thousand	Thousand		Thousand
1983	34	275	18	8.3	149	16	7.9	126
1984	37	281	19	7.6	144	18	7.6	137
1985	38	287	19	7.4	141	19	7.7	146
1986	33	263	16	7.8	125	17	8.1	138
1987	30	242	15	8.2	123	15	7.9	119

1/ December 1 previous year - November 30 current year.

MEAT PRODUCTION

LIVESTOCK SLAUGHTERING ESTABLISHMENTS: Arizona, January 1, 1984-88

Year	Under Federal Inspection	Other 1/	Total
		Number	
1984	8	27	35
1985	9	26	35
1985	10	24	34
1987	5	24	29
1988	5	23	28

1/ Includes State inspected and custom-exempt plants.

RED MEAT PRODUCTION: Arizona, 1983-87 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 2/
							1,000 Pounds						
1983	18,501	17,135	21,159	19,660	23,800	25,820	20,774	21,498	20,377	20,645	23,327	23,828	256,525
1984	25,813	27,187	29,285	28,400	32,236	30,544	25,669	25,720	22,978	27,036	24,671	23,553	323,093
1985	26,434	24,277	25,997	28,704	31,115	26,743	26,591	23,598	22,131	23,449	22,437	22,925	304,401
1986	25,755	23,914	21,357	22,556	25,116	23,427	23,859	21,951	20,087	24,291	19,265	21,375	272,952
1987	21,652	18,238	21,233	23,598	21,294	24,495	23,643	19,731	20,143	20,870	19,722	23,597	258,215

1/ Includes total beef, veal, pork, and lamb and mutton, excluding farm slaughter.
2/ Numbers may not add due to rounding.

COMMERCIAL CATTLE SLAUGHTER: Arizona, 1983-87

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 1/
							Number						
1983	27,000	24,500	30,200	27,500	34,700	37,900	30,100	30,600	28,000	28,100	31,000	31,900	361,300
1984	35,000	37,900	40,200	39,300	44,900	42,400	35,500	33,900	30,600	36,000	32,600	31,500	439,800
1985	36,300	33,400	35,600	38,800	42,100	36,200	35,500	30,800	28,000	29,500	29,300	30,500	406,000
1986	35,200	31,900	30,800	34,600	38,600	35,700	36,700	34,000	30,900	37,400	31,000	34,800	411,700
1987	34,700	29,300	33,700	37,400	33,400	38,800	37,600	31,400	30,700	31,700	31,300	36,800	406,800
							1,000 Lbs. Liveweight						
1983	27,877	25,243	31,151	28,486	35,407	38,736	30,728	30,860	28,707	29,104	32,856	33,859	373,013
1984	36,966	39,709	41,971	40,999	46,944	44,014	36,499	35,270	31,929	37,336	34,224	32,757	458,619
1985	37,392	34,491	36,623	40,867	45,005	39,008	37,761	32,749	29,924	31,106	30,476	31,611	427,013
1986	36,776	33,644	32,477	36,531	40,819	37,745	38,445	35,562	32,646	39,212	31,421	34,965	430,241
1987	35,386	29,636	34,367	38,054	34,343	39,747	38,493	32,114	33,176	34,384	32,532	38,921	421,154

1/ Numbers may not add due to rounding.

COMMERCIAL HOG SLAUGHTER: Arizona, 1983-1987

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 1/
							Number						
1983	10,400	12,000	14,700	15,700	14,900	14,600	13,900	17,600	19,200	19,500	22,000	21,900	196,300
1984	21,200	19,900	24,100	22,000	22,600	22,000	18,400	22,400	20,000	25,300	22,400	21,300	261,600
1985	22,800	19,900	22,400	22,700	21,800	17,900	21,500	21,600	23,700	28,100	24,700	23,300	270,500
1986	20,500	21,000	10,000	2,900	2,400	2,400	2,400	1,600	1,500	1,600	1,600	1,600	69,300
1987	1,100	1,000	1,300	1,400	1,100	1,200	1,100	1,000	1,200	1,200	1,200	1,100	13,900
							1,000 Lbs. Liveweight						
1983	2,416	2,784	3,368	3,552	3,381	3,304	3,147	3,986	4,375	4,463	4,991	4,867	44,636
1984	4,724	4,413	5,414	4,954	5,054	4,921	4,041	4,958	4,652	5,711	5,063	4,789	58,696
1985	5,101	4,422	5,022	5,044	4,804	3,958	4,630	4,635	5,149	6,250	5,515	5,134	59,663
1986	4,489	4,672	2,208	653	530	515	535	355	340	357	356	374	15,384
1987	255	211	289	306	257	258	226	223	274	264	273	270	3,105

1/ Numbers may not add due to rounding.

COMMERCIAL SHEEP SLAUGHTER: Arizona, 1983-1987

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 1/
							Number						
1983	200	100	300	400	200	100	100	100	200	100	100	100	2,000
1984	200	100	300	400	200	100	100	100	200	100	100	100	2,100
1985	100	100	200	400	100	100	100	100	200	100	100	100	1,700
1986	100	100	300	300	100	100	100	100	300	200	100	100	1,800
1987	100	200	200	300	100	100	200	100	200	100	100	100	1,800
							1,000 Lbs. Liveweight						
1983	20	16	36	44	21	13	11	10	18	14	10	11	224
1984	19	12	36	45	25	15	10	15	27	13	12	10	241
1985	15	11	23	44	11	12	5	9	21	14	6	6	178
1986	9	12	28	38	10	7	16	14	25	19	8	8	195
1987	10	18	25	35	13	9	14	10	19	13	7	8	183

1/ Numbers may not add due to rounding.

HONEY

HONEY: Number of colonies, yield, production, and value, Arizona, 1986-1987 1/

Year	Number of colonies	Yield per colony	Production	Average price per pound	Value of production
	1,000	Pounds	1,000 lbs.	Cents	1,000 dol.
1986	77	50	3,850	52	2,002
1987	73	47	3,431	53	1,818

1/ For producers with five or more hives.

FARM LABOR

The farm employment and wage rate estimates are for the week that includes the 12th of the month. This corresponds to the week specified in general employment and wage series of other Government agencies.

Self-employed workers are defined as the operator and others who work on the farm without pay, but share in the returns from the farm. This concept was adopted in 1982 to provide data users with an agricultural series analogous with other industrial series. With the adoption of the self-employed category, all active partners working on the farm are counted as self-employed, whereas prior to 1982 only one was counted as the operator and the others were listed in the unpaid family category. Self-employed workers are counted if they work at least 1 hour during the survey week. Unpaid workers must work at least 15 hours or more to be counted.

Hired workers include both family members and other workers who are paid by the farm or ranch operator for working on agricultural jobs for 1 hour or more during the survey week. Workers paid by a crew leader or agricultural service firm hired by the farm or ranch operator to perform specific tasks are not included in the number of hired workers or wage rate statistics. A separate tabulation of these agricultural service workers is maintained only for the Nation, California, and Florida.

FARM WAGE RATES: Arizona, Mountain III Region, by survey week, July 1983-January 1988 1/

Survey week and year	All hired workers	Type of work					Method of pay		
		Field	Livestock	Combined field and livestock	Supervisory	Other	Hourly	Piece rate 2/	Other
	Dollars per hour								
ARIZONA									
1983									
July 10-16	4.44	4.24	4.17	4.23	4/	4.80	4.25		5.05
1984									
July 8-14	4.22	3.87	4.15	3.92	6.17	4.75	3.93		5.28
October 7-13	4.80	4.61	4.17	4.52	6.42	5.22	4.51		5.61
MOUNTAIN III 3/									
1985									
January 6-12	4.70	4.68	4.26	4.48	6.52	4.79	4.19	5.94	5.31
April 7-13	4.41	4.15	4.15	4.15	6.14	4.75	4.25	4/	4.54
July 7-13	4.30	3.76	4.14	3.89	6.64	4/	3.92	4/	4.89
October 6-12	4.78	4.90	4.44	4.69	6.53	4.57	4.59	4/	5.09
1986									
January 12-18	4.94	4.41	4.64	4.51	7.19	5.21	4.55	5.22	5.68
April 6-12	4.93	4.73	4.29	4.59	6.89	5.10	4.52	6.15	5.72
July 6-12	4.51	3.99	4.01	3.99	6.81	5.04	4.28	4/	5.19
October 12-18	5.10	5.00	4.08	4.68	6.81	5.33	4.79	4/	5.92
1987									
January 11-17	4.86	4.30	4.51	4.40	7.37	5.05	4.46	4/	5.97
April 12-18	4.86	4.50	4.29	4.45	7.37	7.88	4.36	4/	5.53
July 12-18	4.34	4.07	4.09	4.07	6.56	4/	4.13	4/	4.90
October 11-17	4.85	4.51	4.11	4.36	7.52	4/	4.51	6.32	5.20
1988									
January 10-16	5.12	4.54	4.53	4.54	7.53	7.10	5.25	6.50	4.53

1/ Excludes agricultural service workers.
2/ Not estimated prior to 1985.
3/ Arizona wage rates not estimated separately after 1984. Mountain III region includes Arizona and New Mexico.
4/ Insufficient data for this category.

FARM LABOR: Arizona, Mountain III Region, by survey week, July 1983-January 1988 1/

Survey week and year	Number of workers							Hours worked per worker		
	Hired			Other			Total all			
	150 days or more	149 days or less	Total	Self employed	Unpaid	Total		Self employed	Other unpaid	Hired
	Thousands							Hours		
ARIZONA										
1983										
July 10-16	10.0	3.0	13.0	3.5	12.0	15.5	28.5	42.6	40.7	48.6
1984										
July 8-14	11.0	4.0	15.0	3.5	11.0	14.5	29.5	47.4	29.6	55.5
October 7-13	8.0	3.0	11.0	3.0	11.0	14.0	25.0	50.2	40.0	48.1
MOUNTAIN III 2/										
1985										
January 6-12	16.0	3.0	19.0	7.0	18.0	25.0	44.0	35.4	27.0	43.2
April 7-13	16.0	4.0	20.0	8.0	19.0	27.0	47.0	45.1	34.8	47.1
July 7-13	13.0	5.0	18.0	11.0	20.0	31.0	49.0	46.8	41.1	44.0
October 6-12	14.0	4.0	18.0	12.0	17.0	29.0	47.0	37.7	30.0	40.3
1986										
January 12-18	16.0	2.0	18.0	11.0	18.0	29.0	47.0	38.5	32.3	45.6
April 6-12	14.0	4.0	18.0	10.0	16.0	26.0	44.0	36.4	34.5	46.5
July 6-12	12.0	5.0	17.0	10.0	22.0	32.0	49.0	40.7	29.5	48.5
October 12-18	11.0	3.0	14.0	10.0	22.0	32.0	46.0	38.3	40.4	48.2
1987										
January 11-17	15.0	2.0	17.0	10.0	21.0	31.0	48.0	39.6	36.2	44.6
April 12-18	19.0	4.0	23.0	10.0	22.0	32.0	55.0	44.6	40.2	46.8
July 12-18	17.0	5.0	22.0	10.0	23.0	33.0	55.0	48.4	43.8	54.3
October 11-17	14.0	2.0	16.0	10.0	24.0	34.0	50.0	43.8	34.7	44.0
1988										
January 10-16	15.0	2.0	17.0	12.0	22.0	34.0	51.0	38.0	37.3	47.0

1/ Excludes agricultural service workers.

2/ Arizona number of workers not estimated separately after 1984. Mountain III region includes Arizona and New Mexico.

INTERNATIONAL TRADE

It is not possible under present methods of statistical measurement to determine what amount of Arizona's production is actually sold abroad. No reliable system of reporting this information has yet been designed, and no official series exists. If such figures were available they would be of little use to farm analysts and producers unless they bore some regular relationship to the state's annual agricultural production.

The alternative that is usually taken is to impute to each state a share of U.S. exports proportional to its share of total U.S. production. The export values appearing in the following table were calculated in this manner for the years 1982-83 through 1986-87. The ratio of Arizona production to U.S. production for each commodity listed was multipled by the value of U.S. exports of that commodity. The same procedure can also yield an export value share for the southwest states taken together. While in certain cases the actual export value can be found to differ from the imputed export share, the defense of the calculation rests on the principle that supplies of a given commodity from one state or another are essentially interchangeable in domestic and foreign markets.

To make the apportionment of exports to states more realistic, data for certain groups such as feed grains were limited to states that account for 90 percent of the output. It was also assumed that a state would share in exports only if it had an apparent surplus. The latter involves computing grain-consuming animal units and the amount of grain needed to sustain those number.

For a detailed analysis see, Arizona and the U.S. Foreign Trade in Agricultural Commodities, by Robert Rothenberg and Jimmye S. Hillman, University of Arizona, College of Agriculture, July 1983.

AGRICULTURAL EXPORTS: Arizona's equivalent share of value, by commodity group, fiscal years 1982/83-1986/87 1/

COMMODITY GROUP	1982/83	1983/84	1984/85	1985/86	1986/87
			Million dollars		
Wheat and products	53.2	87.9	56.8	15.8	20.1
Cotton, including linters	165.3	238.9	179.6	53.4	120.6
Cottonseed and products	13.9	11.0	13.7	8.4	4.6
Fruits and preparations	42.2	36.6	39.2	45.6	39.3
Vegetables and preparations	17.6	16.2	13.6	15.0	15.2
Animals and meats (excludes poultry)	7.0	8.2	11.0	11.6	14.0
Hides and skins	7.6	11.4	13.7	14.3	15.8
Fats, oils and greases	5.3	6.8	7.1	5.2	4.4
Dairy products	2.8	3.2	3.2	3.4	4.2
Other	11.5	11.6	11.0	8.1	11.5
ARIZONA	326.5	431.8	348.8	180.7	249.7
UNITED STATES	34,769.5	38,026.8	31,200.8	26,306.9	27,874.0

1/ Fiscal years October 1-September 30.

Source: United States Department of Agriculture, Economic Research Service; Foreign Agriculture Trade of the United States.

VALUE OF U.S. FOREIGN TRADE AND TRADE BALANCE: Agricultural and nonagricultural, 1982/83-1986/87 1/

Year	Agricultural	Nonagricultural	Total	Agricultural percent of total
		Million dollars		Percent
U.S. EXPORTS 2/				
1982/83	34,769	159,373	194,142	18
1983/84	38,027	170,014	208,041	18
1984/85	31,201	179,236	210,437	15
1985/86	26,307	176,631	202,938	13
1986/87	27,874	199,947	227,821	12
U.S. IMPORTS 3/				
1982/83	16,271	230,629	246,900	7
1983/84	18,916	297,736	316,652	6
1984/85	19,740	313,722	333,462	6
1985/86	20,875	342,855	363,730	6
1986/87	20,643	367,381	388,024	5
TRADE BALANCE				
1982/83	18,498	-71,256	-52,758	
1983/84	19,111	-127,722	-108,611	
1984/85	11,461	-134,486	-123,025	
1985/86	5,432	-166,224	-160,792	
1986/87	7,231	-167,434	-160,203	

1/ Fiscal years October 1-September 30.
2/ Domestic exports, including Defense Department Grant-Aid.
3/ Imports for consumption, customs value basis.
Source: U.S. Foreign Agricultural Trade, Statistical Report, Economic Research Service.

COTTON SUPPLY AND USE: World, United States, major exporters and importers; marketing years 1985/86, and 1986/87 1/

Region	Supply			Use		Ending Stocks
	Beginning stocks	Production	Imports	Mill use	Exports	
			Million 480 pound bales			
			1985-86			
World	41.55	79.62	21.49	76.72	20.46	45.26
United States	4.10	13.43	0.03	6.40	1.96	9.35
Total foreign	37.45	66.19	21.46	70.32	18.50	35.91
Major exporters 2/	24.54	45.21	0.86	35.95	12.79	21.68
China	19.40	19.00	4/	19.50	2.82	16.07
Pakistan	1.05	5.67	0.01	2.50	3.15	0.91
USSR	1.46	12.78	0.59	9.40	3.17	2.26
Major importers 3/	4.41	1.15	16.25	16.49	0.80	4.46
Japan	0.61	--	3.05	3.15	--	0.52
			1986-87 (Estimated)			
World	45.26	70.46	25.91	83.03	25.85	32.44
United States	9.35	9.73	--	7.45	6.68	5.03
Total foreign	35.91	60.73	25.90	75.58	19.17	27.42
Major exporters 2/	21.68	41.42	1.38	37.66	12.87	13.76
China	16.07	16.30	0.05	21.00	3.17	8.26
Pakistan	0.91	6.06	0.01	2.82	2.89	1.10
USSR	2.26	12.16	0.60	9.35	3.10	2.57
Major importers 3/	4.46	1.40	19.34	18.38	1.21	5.54
Japan	0.52	--	3.69	3.45	--	0.76

1/ Maketing year beginning August 1. Totals may not add and trade and stocks may not balance due to rounding, a small quantity destroyed, and other factors.
2/ Australia, China, Central America, Egypt, Mexico, Pakistan, Sudan, Turkey, and the USSR.
3/ Eastern Europe, Western Europe, Japan, Hong Kong, Republic of Korea, and Taiwan.
4/ Less than 5,000 bales.
Source: United States Department of Agriculture, Agricultural Marketing Service, Cotton Division, Market News Branch; Weekly Cotton Market Review.

WEATHER

Once again in 1987, annual rainfall amounts were slightly above normal at most weather reporting stations in Arizona. Flagstaff showed the most significant overage with total precipitation coming in more than 3 inches above normal. Payson, Prescott, and Winslow were all 2 to 3 inches above normal for the year. The only stations reporting below normal precipitation were Kingman and Safford. Rainfall statistics vary considerably within Arizona because of the diverse geographic regions and elevations. Yuma can expect the lowest annual rainfall, only 2.65 inches, while McNary at 27.24 inches will usually receive the most precipitation of any reporting station in Arizona. The greater portion of the state's precipitation occurs after July 1, when Arizona's monsoon begins.

The word "monsoon" comes from an Arabic word for season. The term was originally applied to wind storms from over the Arabian sea. However, the term has come to mean almost any large scale, wet wind that blows regularly during a definite season. Monsoon is a very moist wind that blows from tropical and sub-tropical waters to the hot land areas in summer and from the cold land areas to warm waters in winter. The monsoon onset is often dramatic and occurs when the very hot, dry air is replaced by a surge of moist, tropical air. The results are uncomfortable heat and humidity with an abundance of thunderstorms. A "monsoon day" has been defined as a day with an average dew point of 55 degrees or higher. The monsoon feature is more pronounced over the southern and central sections of the State and becomes more marginal over the northern part.

Weather patterns affecting Arizona usually originate in the Pacific and Arctic regions. This weather arrives from the west with occasional cold bursts directly from the north. This weather pattern typically persists until summer when the monsoons begin. During the monsoons, weather systems approach from the south and this trend normally lasts through September. With the arrival of fall, October becomes a transitional month with weather changing from a southerly flow to a westerly direction again.

The year began on a fairly cool note as temperatures remained below normal for much of January, however, during early February temperatures rebounded to slightly above normal levels. During the period, January to March 1987, precipitation levels were adequate with many reporting stations ending the quarter with a surplus. Stock water and soil moisture were mostly adequate throughout the period, however, there were reports of water shortages in La Paz County as March came to a close.

During the months of April, May, and June, Arizonans experienced above normal temperatures except for a brief cool spell toward the end of May. In early April, pasture and rangeland were in excellent condition due to good winter rains but by the end of June, ranges were extremely dry and fire potential high. Monsoon-like weather arrived earlier than normal with hot, humid weather occurring in mid-May. The state experienced typical June weather as the period came to a close with abundant sunshine and dry air. On June 14th Phoenix recorded their record high for the year with a reading of 115 degrees.

By the middle of July, typical "monsoon" weather began to develop over the eastern half of the state and similar conditions developed in other areas by the end of the month. The monsoon season basically broke across the state by the first part of September and sunny, dry conditions once again prevailed. Temperatures remained fairly normal through the end of September, however, summer rains were not substantial enough in some areas to maintain adequate stock water supplies. Residents of Phoenix will remember the summer of 1987 as the year when the thermometer hit 100 degrees more than ever before in one year.

When October 1987 got underway, Indian summer took hold as temperatures were well above normal reaching 100 degrees in several locations during the first two weeks of the month. Temperatures rebounded to more normal levels during November but were well below normal as the year came to a close. Precipitation levels were adequate throughout the period with nearly all reporting areas ending the year with a surplus of moisture. Excess precipitation toward the end of the year significantly slowed harvest of the last fields of cotton. Stock water supplies and soil moisture improved greatly as the year came to close.

FREEZE DATES: Last 32° temperature in spring and first in fall, Arizona, 1983-87

Year	Last in spring	First in fall	Last in spring	First in fall	Last in spring	First in fall
	AGUILA		BUCKEYE		CASA GRANDE	
1983	Apr. 14	Nov. 21	Jan. 23	Nov. 27	Apr. 5	Nov. 22
1984	Mar. 7	Nov. 9	Feb. 21	Nov. 26	Apr. 29	Nov. 26
1985	Mar. 30	Nov. 13	Feb. 8	Nov. 20	Mar. 4	Nov. 14
1986	Feb. 21	M	Feb. 11	Dec. 11	Feb. 11	Dec. 11
1987	Mar. 26	Nov. 29	Feb. 21	Dec. 14	M	Dec. 14
	CHANDLER HEIGHTS		DOUGLAS		FLAGSTAFF	
1983	Jan. 22	Nov. 26	Apr. 22	Nov. 16	June 13	Oct. 20
1984	Feb. 27	Nov. 26	Apr. 30	Nov. 10	June 9	Sept. 29
1985	Mar. 30	Nov. 20	Apr. 2	Nov. 14	June 4	Sept. 12
1986	Feb. 11	Dec. 11	Mar. 20	Nov. 9	May 19	Sept. 11
1987	Jan. 24	Nov. 26	Apr. 5	Nov. 11	May 30	Sept. 14
	GILA BEND		GRAND CANYON		KINGMAN	
1983	Jan. 21	Nov. 28	June 14	Oct. 15	Apr. 14	Nov. 22
1984	Feb. 17	Nov. 27	June 8	Oct. 2	Apr. 27	Nov. 9
1985	Feb. 7	1/	June 4	Sept. 12	Mar. 30	Nov. 13
1986	1/	1/	May 18	Sept. 24	Mar. 18	Nov. 7
1987	Jan. 22	Dec. 27	May 29	Sept. 14	Apr. 5	Nov. 31
	MCNARY		PARKER		PAYSON	
1983	June 5	Oct. 12	Jan. 4	Dec. 6	May 16	Nov. 9
1984	May 8	Oct. 6	Feb. 24	Nov. 27	May 1	Oct. 16
1985	June 2	Sept. 12	Feb. 7	Nov. 20	May 14	Nov. 2
1986	June 10	Sept. 11	Feb. 10	Dec. 11	May 9	Oct. 13
1987	June 18	Sept. 14	Jan. 22	Dec. 15	May 27	Nov. 11
	PHOENIX		PRESCOTT		SAFFORD	
1983	1/	1/	May 2	Nov. 9	Apr. 15	Nov. 20
1984	1/	1/	Apr. 30	Oct. 16	Apr. 3	Nov. 18
1985	Feb. 5	1/	Apr. 20	Oct. 15	Mar. 31	Nov. 14
1986	1/	1/	May 7	Oct. 12	Feb. 23	Nov. 8
1987	Jan. 29	Dec. 25	Apr. 20	Nov. 10	Mar. 30	Nov. 13
	TUCSON		WILLCOX		WINDOW ROCK	
1983	Jan. 22	Nov. 27	Apr. 16	Nov. 16	May 21	Sept. 21
1984	Feb. 27	Nov. 26	Apr. 30	Nov. 2	May 9	Oct. 15
1985	Mar. 4	Nov. 15	Apr. 2	Nov. 7	May 14	Sept. 12
1986	Feb. 11	Dec. 1	May 9	Nov. 6	May 19	Oct. 4
1987	Feb. 28	Nov. 26	Apr. 14	Nov. 7	May 27	Oct. 16
	WINSLOW		YUMA			
1983	May 17	Nov. 8	1/	1/		
1984	Apr. 29	Oct. 16	1/	1/		
1985	Apr. 27	Nov. 2	1/	1/		
1986	Apr. 27	Oct. 13	1/	1/		
1987	Apr. 20	Nov. 9	Jan. 18	Dec. 26		

1/ No low temperature of 32° or less.

M- Missing

Source: United States Department of Commerce, National Oceanic and Atmospheric Administration; Climatological Data.

MEAN MONTHLY TEMPERATURE: Arizona, 1987 and long-term average 1/

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
							Degrees fahrenheit						
Aguila 2/	46.6	49.9	53.1	M	M	81.3	82.1	85.2	77.1	70.7	54.2	44.7	3/ 64.5
Buckeye	51.4	57.1	61.2	74.7	79.3	89.1	90.0	90.7	83.7	76.7	59.7	49.6	71.9
	51.2	55.6	60.2	67.2	75.8	85.0	92.0	89.6	83.5	72.0	59.2	51.9	70.3
Casa Grande	51.5	56.1	M	73.3	77.9	88.0	89.4	88.8	82.3	M	59.2	49.5	3/ 71.6
	51.1	55.1	59.9	67.1	75.9	85.4	91.4	88.8	83.2	72.2	59.3	51.8	70.1
Chandler Heights 2/	50.6	54.9	58.4	72.4	77.1	87.4	88.2	87.4	82.7	75.2	58.5	47.9	70.1
Douglas	43.4	46.8	50.4	61.0	66.3	76.7	79.4	75.9	71.0	67.7	51.8	44.1	61.2
	44.9	47.6	52.5	59.7	67.5	76.9	79.1	76.9	73.1	63.3	51.9	45.3	61.6
Flagstaff	27.6	31.1	32.8	45.9	50.7	61.3	62.8	62.8	56.5	50.4	36.2	27.1	45.4
	28.2	30.7	34.5	41.6	49.9	59.2	66.1	63.8	57.5	47.2	36.3	29.8	45.4
Gila Bend	53.8	59.3	63.3	76.4	81.1	91.2	91.4	91.9	86.3	79.6	65.8	57.1	74.8
	53.0	57.1	61.8	69.2	78.2	87.3	94.0	91.8	86.4	74.8	61.8	53.9	72.4
Grand Canyon 2/	27.5	31.6	32.1	46.0	50.9	61.7	63.9	63.0	57.2	51.2	36.1	26.0	45.6
Kingman	40.9	45.8	48.3	62.5	67.0	78.8	79.7	80.2	75.0	67.6	50.5	39.4	61.3
	43.2	47.0	50.5	57.6	66.5	76.2	82.9	80.8	74.8	64.2	51.8	44.3	61.7
McNary	30.1	33.0	34.4	47.6	51.4	61.3	64.0	62.8	57.1	53.5	37.9	M	4/ 48.5
	30.7	32.7	36.6	43.9	51.6	60.5	65.2	63.1	58.5	49.7	39.0	32.7	47.0
Parker	51.5	59.7	61.4	75.3	M	M	89.4	91.5	85.4	77.9	62.2	51.8	3/ 70.6
	52.7	57.7	62.7	70.0	78.7	87.8	94.4	92.6	86.5	74.8	61.3	53.2	72.7
Payson	36.9	40.5	43.4	M	61.1	71.1	73.4	73.3	68.0	61.4	45.1	35.9	4/ 55.5
	38.6	41.5	45.0	51.6	59.7	69.1	75.5	72.8	67.1	57.3	46.1	39.4	55.3
Phoenix	54.7	59.7	63.4	77.9	82.6	93.0	93.1	92.2	86.9	80.9	63.1	52.7	75.0
	52.3	56.1	60.6	68.0	77.0	86.5	92.3	89.9	84.6	73.4	60.6	53.3	71.2
Prescott	34.7	38.4	40.5	54.9	58.3	70.4	71.7	70.6	65.5	59.5	42.6	34.5	53.5
	36.2	39.2	42.8	49.4	57.2	66.8	73.1	70.4	65.1	55.0	44.0	37.2	53.0
Safford	43.0	47.1	51.3	62.9	69.4	79.7	80.9	79.4	72.9	68.1	51.3	41.8	62.3
	43.7	47.5	52.9	60.5	68.8	78.5	82.9	80.4	74.9	64.3	51.8	44.2	62.5
Tucson	50.9	54.2	57.9	70.1	74.3	86.3	87.4	85.1	79.9	75.1	58.9	50.3	69.2
	51.1	53.8	57.8	65.0	73.2	82.9	86.2	84.0	80.4	70.4	58.7	52.0	68.0
Willcox	42.4	45.4	49.2	60.4	65.2	74.9	76.6	76.0	70.0	65.6	49.5	41.9	59.8
	42.1	45.0	49.8	56.6	64.5	74.1	79.3	76.7	71.3	60.5	48.9	42.3	59.3
Window Rock	28.2	32.7	36.9	49.3	53.6	67.1	68.9	67.5	60.8	54.1	38.3	28.9	48.9
	27.4	31.6	36.8	44.5	53.4	63.7	69.8	67.1	60.0	49.6	37.3	29.1	47.5
Winslow	30.2	39.1	42.7	56.1	62.4	73.4	74.5	73.4	67.5	60.1	42.8	31.0	54.4
	32.0	38.4	44.9	53.0	62.2	72.3	78.8	76.1	69.0	56.6	42.9	32.7	54.9
Yuma	55.9	61.1	64.4	77.1	80.9	90.1	91.9	93.2	87.8	80.6	64.3	54.1	75.1
	55.9	60.0	64.2	70.7	78.3	87.2	93.6	92.4	87.3	76.4	63.8	56.5	73.9

1/ Top row 1987, bottom row long-term average.
2/ Long-term average not available.
3/ Average temperature for 10 months.
4/ Average temperature for 11 months.
M- Missing
Source: United States Department of Commerce, National Oceanic and Atmospheric Administration; Climatological Data.

TOTAL PRECIPITATION: Arizona, 1987 and long-term average 1/

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
							Inches						
Aguila 2/	.34	1.77	.26	M	M	.24	.59	.00	.46	2.42	.41	.48	3/ 6.97
Buckeye	.73	1.26	.21	T	.21	.00	.10	1.05	.45	1.00	1.36	1.41	7.78
	.80	.68	.74	.23	.08	.07	.62	1.23	.70	.60	.47	.73	6.95
Casa Grande	.83	1.89	M	T	.14	.03	.13	.59	.98	M	1.32	.94	3/ 6.85
	.81	.66	.85	.29	.11	.20	.90	1.80	.61	.78	.66	.91	8.58
Chandler Heights	1.50	2.50	.13	.03	.30	.04	.09	.36	.15	.28	2.09	1.02	8.49
	.92	.76	1.02	.28	.14	.06	.83	1.22	.67	.80	.70	.95	8.35
Douglas	.09	.89	.09	.82	.49	1.33	2.25	2.20	1.38	.55	.32	1.96	12.37
	.74	.47	.48	.16	.16	.41	3.51	3.03	1.15	.84	.45	.76	12.16
Flagstaff	2.51	2.54	1.69	.21	.70	.25	1.93	3.74	1.49	4.64	2.91	1.37	23.98
	2.10	1.95	2.13	1.35	.75	.57	2.47	2.62	1.47	1.54	1.65	2.26	20.86
Gila Bend	.16	1.28	.34	.01	.10	T	.38	1.21	.30	.26	.86	1.33	6.23
	.67	.49	.61	.22	.10	.06	.69	1.01	.46	.48	.40	.63	5.82
Grand Canyon 2/	.96	1.61	1.80	.57	1.14	1.41	1.84	3.01	.65	2.45	1.74	1.34	18.52
Kingman	.54	.06	.66	.38	.50	.54	.15	1.42	.35	1.71	1.48	.88	8.67
	1.11	.96	1.11	.63	.24	.24	.98	1.36	.75	.67	.71	.89	9.65
McNary	3.20	4.55	2.94	.90	.98	1.14	4.55	3.18	1.51	1.77	3.13	M	4/ 27.85
	2.92	2.04	3.08	1.32	.74	.79	3.51	3.78	1.97	2.37	1.99	2.73	27.24
Parker	.08	.03	.04	.00	M	M	.00	T	.88	.50	.96	.63	3/ 3.12
	.60	.43	.47	.17	.05	.02	.26	.49	.40	.38	.35	.46	4.08
Payson	2.97	3.17	1.18	M	1.51	.29	.96	4.87	.88	2.47	3.74	1.95	4/ 23.99
	2.15	1.85	2.12	1.07	.52	.44	2.81	3.16	1.76	1.85	1.53	2.02	21.28
Phoenix	.67	2.06	.28	.09	.06	.01	1.08	.45	.57	.47	1.04	1.62	8.40
	.73	.59	.81	.27	.14	.17	.74	1.02	.64	.63	.54	.83	7.11
Prescott	1.84	3.04	1.07	.45	1.16	.26	3.33	1.66	1.50	2.65	3.36	1.22	21.54
	1.72	1.51	1.53	.76	.50	.53	3.15	3.45	1.49	1.22	1.33	1.65	18.84
Safford	.31	1.58	.52	.27	.41	.25	1.60	1.68	.69	.31	.24	.65	8.51
	.63	.55	.56	.18	.12	.24	1.76	1.55	.99	.86	.40	.76	8.60
Tucson	.59	1.64	.83	.80	.74	.16	.37	2.79	2.30	.34	.44	1.50	12.50
	.83	.63	.68	.32	.14	.22	2.42	2.13	1.33	.88	.62	.94	11.14
Willcox	.22	1.13	.14	1.41	.73	.31	1.48	3.41	1.18	.44	.33	2.15	12.93
	.86	.62	.62	.24	.15	.39	2.74	2.60	1.12	.77	.44	.97	11.52
Window Rock	1.22	.88	.60	.43	.10	.42	3.10	1.83	.16	1.16	1.38	1.30	12.58
	.77	.67	.84	.54	.45	.42	1.66	2.17	1.14	1.26	.71	.88	11.51
Winslow	1.21	.86	.38	T	.54	.29	.50	1.88	.15	1.29	1.39	1.28	9.77
	.43	.46	.51	.32	.30	.35	1.14	1.41	.83	.90	.41	.58	7.64
Yuma	.08	.32	T	.00	.04	.00	T	.68	.04	1.62	.27	.62	3.67
	.38	.26	.18	.13	.04	.01	.15	.42	.25	.29	.20	.34	2.65

1/ Top row 1987, bottom row long-term average.
2/ Long-term average not available.
3/ Total precipitation for 10 months.
4/ Total precipitation for 11 months.
M- Missing
T- Trace
Source: United States Department of Commerce, National Oceanic and Atmospheric Administration; Climatological Data.

RESERVOIR STORAGE: Arizona, April 1, 1984-88

Basin or stream	Reservoir	Usable Capacity	Usable storage				
			1984	1985	1986	1987	1988
			Thousand acre feet				
GILA RIVER DRAINAGE							
Agua Fria	Lake Pleasant	157.0	125.4	122.9	88.8	65.2	74.2
Granite	Watson Lake	4.7	3.9	4.5	4.4	4.4	3.9
Granite	Willow Creek	6.1	5.7	6.1	4.4	5.3	4.0
Gila	San Carlos	935.0	875.0	1/ 943.9	905.4	782.3	526.9
Gila	Painted Rock Dam	2,492.0	6.0	276.2	0.0	0.0	0.0
Salt	Roosevelt, Apache, Canyon, and Saguaro	1,710.0	1,479.0	1,652.6	1,687.1	1,621.0	1,550.7
Verde	Bartlett and Horseshoe	310.0	219.0	308.6	278.6	293.6	261.8
COLORADO RIVER DRAINAGE							
Colorado	Lake Havasu	619.4	547.0	573.0	558.8	553.0	557.7
Colorado	Lake Mohave	1,810.0	1,709.0	1,732.6	1,665.2	1,764.5	1,687.3
Colorado	Lake Mead	26,159.0	23,804.0	23,861.0	23,273.0	24,181.0	24,509.0
Colorado	Lake Powell	25,002.0	21,057.0	21,398.0	22,016.0	21,831.0	22,165.0
Little Colorado	Lyman Lake	31.1	2/	30.0	27.4	30.6	25.2
Show Low Creek	Show Low Lake	5.1	3.6	5.1	3.1	5.1	4.5

SUMMARY: The dry weather continued and the outlook for surface water supplies in Arizona continued to deteriorate. Very little precipitation fell around the State during March and what did fall came mostly in the first few days. March runoff on major streams was below average. The snowpack was virtually gone below 9,000 feet elevation on April 1. The one bright note was a good level of water storage in most major reservoirs.

SNOWPACK: Lack of precipitation and periods of warm weather have reduced the Arizona snow cover. The April 1 snowpack was primarily confined to elevations above 9,000 feet. Of the 38 active snow courses in Arizona, 20 were bare. The Salt River snowpack was reduced to 26% of average and the Verde River, 18% of average. The Gila basin was somewhat better at 52% of average but much of the remaining snow was restricted to the Mogollon Mountains. The southern Little Colorado River basin snowpack was 16% of average. The Chuska Mountains measured 89% of normal. The San Francisco Peaks snow had declined to 52% of average and the Grand Canyon had been reduced to 23% of normal.

PRECIPITATION: Arizona received very little precipitation during March. What was received came primarily in the first three days of the month and the amounts were small. Precipitation in March was only 9% of average over the Salt River basin and 6% of average over the Verde basin. The Gila watershed received 25% of normal precipitation. Moisture was 8% of normal on the Little Colorado River basin. Northwestern Arizona was only 3% of average. The Santa Cruz basin was 41% and Sulphur Springs Valley, 48% of average for the month.

RESERVOIRS: Available water in major reservoirs was generally above average for April 1 but levels had declined from those reported on March 15. The Salt River Project system was 90% full with 1,812,500 acre feet. Storage in San Carlos was 526,900 acre feet at 56% of capacity. Lake Pleasant was only 47% full with 74,200 acre feet. Lakes Havasu, Mohave, Mead, and Powell held a combined storage of 48,919,000 acre feet. This is 91% of capacity. Lyman Lake storage had increased to 25,200 acre feet but Show Low Lake had dropped to 4,500 acre feet. Watson Lake held 3,900 acre feet and Willow Lake, 4,000 acre feet.

STREAMFLOW: March runoff declined to below average levels and the April-May forecast calls for continued below average flow. Streamflow in March was 49% of average on the Salt River and 34% of average on the Verde. The San Francisco at Clifton ran 69% of average. The Gila River produced 68% of normal flow at Virden and 61% at Head of Safford Valley. April-May forecasts call for 31% of average flow on the Salt River, 26% on the Verde, and 29% of normal on the Little Colorado River at Lyman Lake. The San Francisco at Clifton is forecast at 47% of average. The Gila River is forecast at 52% at Virden, 50% at Head of Safford Valley, and 50% of normal at Calva.

1/ Lake level above spillway elevation.
2/ Not available.
Source: United States Department of Agriculture, Soil Conservation Service;Arizona Water Supply Outlook, April 1, 1988.

OTHER STATISTICS

UPLAND COTTON OBJECTIVE YIELD FORECASTING PROGRAM

The upland cotton yield forecasting program of the Arizona Agricultural Statistics Service includes both regular interviews with farmers, and objective measurements from samples in randomly selected fields.

During the yield forecasting season (August 1 to harvest), trained enumerators make monthly visits to randomly selected fields across the State. Row spacing measurements, plant counts, fruit counts, and other pertinent information affecting crop yields are recorded. The grower is interviewed to obtain information about acreage, seeding rates, fertilizer applied, and other information about the fields where objective counts are to be conducted. A State yield is generated from the different models used to forecast total bolls expected, average boll weight, and harvesting loss.

The number of samples varies from year to year as a result of changes in program size, grower refusals, or sometimes losses because of abandonment. Samples are also visited after the crop is harvested to obtain measurement of harvesting loss and other information affecting production.

The sample data published below were edited to eliminate nonrepresentative reports but still contain some sampling fluctuation. They are not official Agricultural Statistics Board estimates, but provide indications and trends in cropping practices.

FERTILIZER USED ON UPLAND COTTON ACREAGE HARVESTED: Arizona, 1983-87

Year	Fields in survey	Acres receiving				Rate per acre receiving 1/			Acres fertilized 2/		
		Any fertilizer	N	P_2O_5	K_2O	N	P_2O_5	K_2O	At or before seeding only	After seeding only	At or before and after seeding
	Number	Percent				Pounds			Percent		
1983	82	90	90	45	11	113	43	14	4	50	46
1984	91	99	98	48	4	150	59	29	12	55	33
1985	96	95	95	51	9	157	55	6	11	57	32
1986	97	93	93	39	7	122	47	12	16	56	28
1987	84	95	95	39	5	159	70	21	16	56	28

1/ To convert phosphoric oxide (P_2O_5) to elemental phosphorus (P), the quantity of P_2O_5 should be multiplied by 0.43642. To convert potassium oxide (K_2O) to elemental potassium (K) multiply by 0.83016.
2/ Percentages apply to acres receiving fertilizer, not to total acres harvested.

UPLAND COTTON SAMPLES: Percentange distribution by row spacing, average row width, seeding rate, and plant population, Arizona, 1983-87

Year	Cotton samples	Row spacing (inches) 1/				Average row width	Seeding rate per acre 2/	Plants per acre
		36.5 & less	36.6 - 38.5	38.6 - 40.5	40.6 & greater			
	Number	Percent				Inches	Pounds	Number
1983	94	-	45	43	12	39.2	18.9	33,877
1984	105	5	42	47	6	38.2	19.9	35,232
1985	104	4	53	41	6	38.7	20.1	37,581
1986	99	6	48	42	4	38.5	19.2	44,074
1987	85	6	35	54	5	38.9	19.1	46,008

1/ Measurement across 8 row spaces in each sample field.
2/ Acid delinted basis.

UPLAND COTTON SAMPLE COUNTS: Bolls produced, weight, lint loss, and yield per acre, Arizona, 1983-87

Year	Final count of large bolls produced per ten feet of row 1/	Adjusted average weight per boll		Unopened bolls not harvested per ten feet of row 1/		Lint loss per acre after all harvest complete	Final adopted yield per acre
		Seed cotton 2/	Lint	Bolls	Lint equivalent per acre		
	Number	Grams	Grams	Number	Pounds	Pounds	Pounds
1983	285	4.04	1.50	5	22.3	93	1,225
1984	296	4.03	1.50	4	18.6	81	1,227
1985	312	3.91	1.46	4	15.6	99	1,241
1986	312	4.09	1.57	7	32.4	90	1,301
1987	323	4.18	1.62	8	36.6	142	1,410

1/ A "large" boll is one inch or greater in diameter, opened or unopened. Counts are actually made on 46 feet of row in each sample field.
2/ Seed cotton adjusted to 5 percent moisture; 453.6 grams equal one pound.

UPLAND COTTON GINNING CHARGES, HARVESTING PRACTICES, AND SELECTED MARKETING COSTS: Arizona, 1982/83-1986/87

Item	Unit	1982/83	1983/84	1984/85	1985/86	1986/87
BALES GINNED (running bales)	Thousands	1,039	688	1,036	863	632
ACTIVE GINS	Number	112	98	100	91	85
WRAPPING & GINNING CHARGES:						
Total charge per 480-lb. net weight bale 1/	Dollars	42.87	43.17	40.16	40.70	40.33
METHOD OF HARVESTING:						
Machine-picked	Percent	86	86	95	97	93
Machine-stripped	Percent	3	2	2/	2/	3
Machine-scrapped	Percent	11	12	5	3	4
WEIGHT OF SEED COTTON PER 480-LB. NET WEIGHT BALE:						
Machine-picked	Pounds	1,443	1,475	1,491	1,515	1,480
Machine-scrapped	Pounds	1,881	1,907	1,883	1,823	1,829
COTTON GINNED FROM:						
Trailers	Percent	40	45	42	39	35
Modules	Percent	60	55	58	61	65
CHARGES FOR WAREHOUSING AND RELATED SERVICES 3/:						
Charge per bale per month for insured storage	Dollars	1.57	1.74	1.73	1.90	2.02
Charge per bale for compressing to universal density	Dollars	6.08	6.02	6.00	5.80	5.75
Charge per bale for outhandling	Dollars	5.02	4.93	4.39	4.20	4.46

1/ Includes bagging and ties, drying of seed cotton, lint cleaning, and insurance, but does not reflect any patronage dividends, rebates, transportation to warehouses, industry organization dues, or cotton classing fees.

2/ Less than 1 percent.

3/ Based on published tariffs.

Source: United States Department of Agriculture, Economic Research Service, National Economics Division; Cotton Ginning Charges, Harvesting Practices, and Selected Marketing Costs.

UPLAND COTTON: Estimated percentage planted to specified varieties; by counties 1987 and Arizona, by crop year, 1985-87

Variety	County							Crop year		
	Cochise	Graham and Greenlee	Maricopa	Pima	Pinal	Mohave and La Paz	Yuma	1985	1986	1987
				Percent					Percent	
Acala 1517-E2	2							*	*	*
Acala 1517-SR1	9							*	*	1
Acala 1517-75	24	14						1	1	2
Acala 1517-77								1		
Cascot C-13	12								*	1
Cascot L-7	15							1	*	1
Deltapine Acala 90	35	77	58	8	68	74	15	56	55	53
Deltapine 20			3	25	4	2	1		1	3
Deltapine 30								1	1	
Deltapine 41			2	1	8		1	7	8	3
Deltapine 50							17	2	2	2
Deltapine 55								1	*	
Deltapine 61			5		2	3	51	12	8	9
Deltapine 62			1					1	2	*
Deltapine 70			*			1	1	2	2	*
Deltapine 77			25		14	13	14			17
Deltapine 120			5		3			12	13	3
Deltapine 775									1	
DES 119				17	*				*	1
DES 422								*		
Germain's Acala GC-510			*					*	*	*
McNair 220								*	*	
McNair 235				6				*	1	*
Stoneville 112									*	
Stoneville 213									*	
Stoneville 506		5		42				1	2	2
Stoneville 825			1			3		1	1	*
Sun Valley SV 13								*	1	*
Sun Valley SV 93			3	1				*	1	
All Other	3	4	*	1	1	4		1	*	2

* Less than 0.5 percent.

Source: United States Department of Agriculture, Agricultural Marketing Service, Cotton Division.

ALL COTTON: Domestic mill consumption, stocks, and exports, United States, 1983/84-1987/88

Season	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Season 1/
						1,000 running bales							
						Mill consumption 2/							
1983/84	453	560*	459	446	468*	469	448	548*	430	442	503*	354	5,628
1984/85	428	509*	428	390	423*	399	418	519*	419	439	525*	369	5,268
1985/86	458	562*	493	477	486*	595*	499	492	620*	503	489	522*	6,198
1986/87	534	523	683*	529	576*	546	562	734	573	586	708*	540	7,096
1987/88 4/	606	753*	621	606	610*								
						Mill consumption per day							
1983/84	22.6	22.4	22.9	22.3	18.7	23.5	22.4	21.9	21.5	22.1	20.1	17.7	21.6
1984/85	21.4	20.4	21.4	19.5	16.9	20.0	20.9	20.8	21.0	21.9	21.0	18.5	20.3
1985/86	22.9	22.5	24.6	23.9	19.5	23.8	24.9	24.6	24.8	25.2	24.4	20.9	23.4
1986/87	26.7	26.2	27.3	26.5	23.1	27.3	28.1	29.4	28.7	29.3	28.3	27.0	27.3
1987/88 4/	30.3	30.1	31.0	30.3	24.4								
						Stocks in consuming establishments 3/							
1983/84	712	639	556	554	611	647	713	741	766	766	822	795	--
1984/85	715	645	542	560	683	812	875	815	796	804	734	733	--
1985/86	685	621	557	570	604	687	728	776	789	782	788	775	--
1986/87	664	582	563	578	620	640	705	702	723	709	674	680	--
1987/88 4/	648	579	530	542	637								
						Stocks in public storage 3/							
1983/84	6,168	5,870	7,119	8,570	8,790	7,525	6,359	4,997	3,956	2,966	2,212	1,761	--
1984/85	1,491	1,432	3,386	6,321	7,551	7,529	6,541	5,648	4,806	4,008	3,570	2,930	--
1985/86	2,826	3,743	6,122	8,963	10,677	10,747	10,243	9,656	9,072	8,449	7,980	8,116	--
1986/87	7,625	7,996	9,543	10,148	10,204	10,015	9,058	7,878	6,871	5,870	4,821	3,817	--
1987/88 4/	3,239	4,864	7,398	9,456	10,582								
						Exports							
1983/84	369	329	308	438	566	821	737	783	839	494	429	370	6,419
1984/85	454	249	340	472	712	755	705	692	556	435	359	299	5,943
1985/86	166	218	180	198	236	189	202	206	125	69	68	19	1,875
1986/87	374	496	489	525	664	591	518	750	500	465	554	439	6,366
1987/88 4/	355	304	316	612	536								

1/ Season totals are adjusted data as reported in Supply and Distribution of Domestic and Foreign Cotton in the United States by Bureau of the Census.

2/ Consumption figures relate to four-week months except as noted. Daily consumption rates calculated on the basis of 20 days for four-week months and 25 days for five-week months with no allowance for holidays.

3/ These data refer to a particular day near the end of the month.

4/ Preliminary.

* Five week month.

Source: United States Department of Commerce, Bureau of the Census.

COTTON PROGRESS: Arizona, by survey week, April 1983-December 1987

Month and Week 1/	1983	1984	1985	1986	1987	5-year average
			Percent of acreage			
			Planted			
March 29	25	35	30	35	15	30
April 5	40	50	45	5E	35	45
12	50	55	65	65	45	55
19	75	75	85	80	75	80
26	85	91	90	90	85	88
May 3	94	96	92	95	89	93
10	98	99	95	98	93	97
17	99	99	97	99	97	98
24	100	100	99	99	100	100
31	100	100	99	99	100	100
June 7	100	100	100	100	100	100
			Squaring			
May 24	10	10	10	40	14	15
May 31	30	35	30	65	40	40
June 7	45	45	75	75	70	60
14	65	70	90	85	80	80
21	80	85	91	92	89	87
28	95	94	96	96	93	95
July 5	98	97	98	97	98	98
12	98	99	100	98	99	99
19	99	100	100	99	100	100
26	100	100	100	100	100	100
			Setting bolls			
June 21	20	40	60	20	25	35
28	60	55	65	50	40	55
July 5	70	65	70	75	60	70
12	80	75	80	90	75	80
19	90	80	80	94	85	86
26	97	91	90	95	89	92
Aug. 2	99	96	95	96	96	96
9	100	98	96	98	99	98
16	100	99	99	100	99	99
23	100	100	100	100	100	100
			Open bolls			
Aug. 9	5	6	6	6	25	10
16	15	35	20	20	30	25
23	35	50	45	45	50	45
30	50	70	70	50	60	60
Sept. 6	60	75	75	60	80	70
13	70	80	85	75	85	80
20	80	90	90	88	87	87
27	90	95	93	93	92	93
Oct. 4	92	99	95	98	93	95
11	94	100	100	99	95	98
18	100	100	100	99	100	100

See footnote at end of table.

Continued--

COTTON PROGRESS: Arizona, by survey week, April 1983-December 1987--continued

Month and Week 1/	1983	1984	1985	1986	1987	5-Year average
			Percent of acreage			
			Harvested			
Sept. 13	1	0	0	2	2	1
20	2	1	0	3	5	2
27	2	3	3	5	7	4
Oct. 4	4	7	7	15	12	9
11	6	15	10	20	14	13
18	15	25	20	30	45	25
25	25	45	30	40	55	40
Nov. 1	45	55	50	55	65	55
8	55	65	55	70	70	65
15	85	75	60	80	75	75
22	90	80	70	86	85	80
29	96	94	80	91	90	90
Dec. 6	98	96	85	94	94	93
13	99	98	92	97	97	97

1/ Dates are for 1987. Comparable dates are used for 1983-1986.

SMALL GRAINS PROGRESS: Arizona, by survey week, 1986 and 1987

Month and Week 1/	1986	1987	Month and Week 1/	1986	1987	Month and Week 1/	1986	1987
	Percent of acreage			Percent of acreage			Percent of acreage	
	Planted			Jointing			Heading	
Dec. 7	20	20	Feb. 15	25	9	Mar. 8	2	3
14	30	35	22	30	20	15	13	9
21	40	45				22	20	15
28	50	55	Mar. 1	40	25	29	50	35
			8	55	45			
Jan. 4	65	75	15	70	60	Apr. 5	86	50
11	75	85	22	86	85	12	90	60
18	80	87	29	92	93	19	93	85
25	85	90				26	95	91
			Apr. 5	93	98			
Feb. 1	95	94	12	96	99	May 3	96	99
8	100	98	19	100	100	10	99	99
15	100	100				17	99	100
						24	100	100
	Turning color			Harvested				
Apr. 19	20	11	May 17	25	2			
26	25	20	24	45	11			
			31	55	35			
May 3	40	35						
10	60	45	June 7	75	55			
17	80	50	14	85	65			
24	96	80	21	93	75			
31	98	96	28	98	85			
June 7	100	100	July 5	99	91			
			12	100	97			

1/ Dates are for 1987 crops. Comparable dates are used for 1986.

PASTURE AND RANGE FEED CONDITIONS 1/: Arizona, May-November, 1983-1987

Year	May	June	July	August	September	October	November
				Percent			
1983	90	87	83	79	87	86	96
1984	69	66	64	79	96	96	92
1985	89	94	86	82	72	70	82
1986	84	69	64	81	89	88	87
1987	89	87	78	65	81	83	77

1/ Good to excellent, 80 and over; poor to fair, 65-79; very poor, 50-64; severe drought, 35-49; extreme drought, under 35.

SEEDING RATES: Quantity of seed used per acre, Arizona, 1986

Barley	Corn	Cotton	Potatoes	Sorghum	Durum Wheat	Wheat other than Durum
Pounds	Kernels	Pounds	Cwt.	Pounds	Pounds	Pounds
134.4	29,000	18.4	29.0	10.0	138.0	138.0

USUAL PLANTING AND HARVESTING DATES: By crops and principal producing areas, Arizona

Crop	Usual planting dates	Usual harvesting dates			Principal producing counties
		Begins	Most active	Ends	
FIELD CROPS					
ALFALFA HAY		Feb. 10		Dec. 1	Maricopa, La Paz, Yuma, Pinal
BARLEY	Nov. 5 - Feb. 10	May 5	June 1 - June 15	July 10	Maricopa, Pinal, Yuma, Graham
CORN FOR GRAIN	Apr. 1 - June 1	Sept. 15	Oct. 1 - Nov. 1	Dec. 1	Cochise, Graham, Apache, Navajo
ALL COTTON	Mar. 1 - May 15	Sept. 15	Oct. 20 - Dec. 15	Feb. 1	Maricopa, Pinal, Yuma, La Paz, Graham, Pima, Cochise
SORGHUM GRAIN	Apr. 1 - July 1	Sept. 10	Oct. 1 - Oct. 30	Dec. 15	Maricopa, Pinal, La Paz, Graham
ALL WHEAT	Nov. 5 - Feb. 10	May 15	June 1 - June 30	July 15	Maricopa, Yuma, Pinal, La Paz
VEGETABLES, MELONS, AND POTATOES					
BROCCOLI	Aug. 15 - Oct. 15	Oct. 20	Dec. 1 - Feb. 28	Apr. 1	Yuma, Maricopa
CANTALOUPS					
Summer	Feb. 15 - Apr. 1	May 25	June 10 - July 10	July 31	Maricopa, La Paz
Fall	July 15 - Sept. 10	Sept. 20	Oct. 1 - Nov. 1	Nov. 20	Maricopa, La Paz
CARROTS	Aug. 20 - Mar. 1	Oct. 10	Jan. 1 - June 1	July 20	Maricopa
CAULIFLOWER	Aug. 15 - Nov. 1	Nov. 15	Jan. 1 - Mar. 1	Apr. 30	Yuma, Maricopa
HONEYDEWS					
Spring	Feb. 15 - April 15	June 1	July 1 - July 15	Aug. 1	Maricopa, La Paz
Fall	July 15 - Sept. 15	Sept. 25	Oct. 15 - Nov. 1	Nov. 25	Maricopa, La Paz
OTHER LETTUCE					
Spring	Nov. 1 - Feb. 15	Mar. 5	Apr. 1 - May 15	June 20	Maricopa, Cochise
Fall	Aug. 1 - Oct. 5	Sept. 25	Oct. 20 - Nov. 30	Dec. 15	Maricopa, Cochise, Pima
WESTERN LETTUCE	Aug. 15 - Dec. 1	Nov. 5	Dec. 1 - Mar. 31	Apr. 25	Yuma, La Paz
DRY ONIONS	Oct. 10 - Dec. 5	May 5	May 25 - June 15	July 10	Maricopa
WATERMELONS	Feb. 1 - Apr. 10	June 1	July 1 - Oct. 1	Oct. 30	Maricopa, Yuma, Pinal
SPRING POTATOES	Jan. 1 - Mar. 1	Apr. 25	May 15 - June 15	July 20	Maricopa
CITRUS					
GRAPEFRUIT		Oct. 1	Nov. 15 - June 1	July 20	Maricopa, Yuma
LEMONS		Aug. 1	Sept. 20 - Mar. 1	Apr. 15	Yuma, Maricopa
NAVEL ORANGES		Nov. 1	Nov. 20 - Jan. 15	Feb. 15	Maricopa, Yuma
VALENCIA ORANGES		Jan. 1	Mar. 1 - May 1	June 30	Yuma, Maricopa
TANGERINES		Nov. 1	Jan. 1 - Mar. 1	Apr. 1	Yuma, Maricopa

PESTICIDE SALES: By type, Arizona, 1982-86

Pesticide type	1982	1983	1984	1985	1986
	1,000 lbs. technical material				
INSECTICIDES					
Acephate	216	46	40	36	26
Aldicarb	139	58	84	46	11
Azinphos-Methyl	71	31	35	21	33
Chlordane	49	213	47	68	72
Chlordimeform	169	91	106	77	73
Chlorpyrifos	12	30	27	23	69
Diazinon	62	77	71	18	96
Dimethoate	183	140	198	84	93
Disulfoton	204	54	48	52	63
Endosulfan	93	90	105	16	36
Ethyl Parathion	131	18	78	53	68
Feeding Stimulants	234	10	10	28	8
Malathion	68	255	55	46	68
Methomyl	114	79	74	51	59
Methyl Parathion	415	216	532	238	213
Mevinphos	66	42	46	56	55
Monocrotophos	83	43	90	55	56
Permethrin	145	61	47	64	18
Sulfur	1,758	620	1,322	1,066	880
Other	823	344	443	253	270
TOTAL	5,035	2,518	3,458	2,351	2,267
HERBICIDES					
Benefin	39	12	29	27	45
DCPA	53	52	33	26	36
Dinoseb	80	85	112	77	91
EPTC	128	69	60	55	92
Glyphosate	117	116	157	93	130
MSMA	120	26	23	44	65
Pendimethalin	94	27	55	29	47
Prometryn	165	71	131	101	101
Simazine	6	101	22	14	20
Trifluralin	175	91	91	64	257
Other	237	172	208	138	223
TOTAL	1,214	822	921	668	1,107
FUNGICIDES, BACTERICIDES					
Copper Sulfate	1	52	5	26	46
Mancozeb	0	24	24	111	27
Maneb	60	88	101	119	78
PCNB	174	49	15	233	227
Zinc Sulfate	67	25	0	6	35
Other	258	59	58	73	60
TOTAL	560	297	203	568	473
DEFOLIANTS, DESSICANTS, AND GROWTH REGULATORS					
Arsenic Acid	22	5	22	47	101
Cacodylic Acid	8	9	12	9	12
DEF	91	124	131	132	49
Ethephon	2	1	11	14	14
Magnesium Chlorate	0	0	0	0	55
Paraquat	36	15	9	36	9
Sodium Chlorate	1,370	616	799	1,669	679
Other	82	16	16	18	32
TOTAL	1,611	786	1,000	1,925	951
FUMIGANTS					
D-D	721	201	214	0	0
Dichloropropene	299	128	244	27	113
Ethylene Dibromide	146	114	0	0	0
Methyl Bromide	2	4	6	1	18
Other	3	1	6	0	2
TOTAL	1,171	448	470	28	133

Source: University of Arizona, College of Agriculture, Council for Environmental Studies; Pesticide Sales Survey.

COMMERCIAL FERTILIZERS AND MINERALS SOLD: Arizona, 1983-87

Fertilizer and minerals	1983	1984	1985	1986	1987
			Tons		
DRY FERTILIZERS					
Ammonium phosphate, 11-52(53)-0	5,935	8,472	14,542	17,415	21,260
Ammonium phosphate, 11-48-0	6,344	5,587	1,202	119	1/
Ammonium phosphate, 16-20-0	9,609	12,645	11,987	8,071	7,947
Ammonium phosphate, 18-46-0	13,952	12,461	13,672	6,855	7,482
Other dry mixed fertilizer	27,927	29,756	20,655	22,477	28,529
Ammonium nitrate	4,933	6,509	6,082	5,047	5,139
Ammonium sulfate	6,557	8,121	11,237	8,203	10,074
Calcium nitrate and sodium nitrate	1,860	2,006	1,725	1,344	2/ 1,154
Potassium sulfate and/or chloride	346	940	3,038	421	450
Superphosphate, treble	1,728	1,967	2,309	3,088	2,346
Urea	22,530	22,738	20,667	18,086	20,852
Miscellaneous, dry (unmixed)	834	335	826	247	1/
Total Dry Fertilizers	102,555	111,537	107,942	91,373	105,233
LIQUID FERTILIZERS					
Anhydrous ammonia	30,002	30,281	32,604	38,137	19,036
Ammonia solutions, 20-0-0	13,756	14,323	10,991	8,578	10,074
Ammonium nitrate soln, 20-0-0	6,469	11,189	10,981	13,146	15,119
Urea, amm nitrate soln, 32-0-0	65,698	81,690	88,254	75,070	100,496
Calcium amm nitrate soln, 17-0-0	6,514	8,299	8,674	7,171	12,037
Other liquid mixed fertilizer	34,999	40,467	44,170	39,497	36,051
Phosphoric acid	1,194	998	1,925	1,434	891
Total Liquid Fertilizers	158,632	187,247	197,599	183,033	193,704
AGRICULTURAL MINERALS					
Gypsum	45,762	40,213	17,576	25,874	47,229
Iron products	1,956	2,312	3,473	2,065	1,957
Sulfur products	1,084	1,303	1,972	1,248	1,399
Lime sulfur	606	758	509	270	201
Sulfuric acid	1,857	2,813	3,580	4,351	5,441
Micronutrients	917	1,393	807	1,618	2,117
Total Agricultural Minerals	52,182	48,792	27,917	35,426	58,344
TOTAL TONNAGE ALL PRODUCTS	313,369	347,576	333,458	309,832	357,281
Tons of Actual Nitrogen 3/	78,148	85,591	89,597	84,552	
Tons of Actual Phosphorus 3/	25,171	27,264	28,506	25,196	
Tons of Actual Potassium 3/	1,485	952	2,308	1,487	

1/ Not available by publication date. Amounts included in "other dry mixed fertilizer".
2/ Data for 1987 is only calcium nitrate.
3/ Amounts of available nitrogen, phosphorus, and potassium in the above commercial fertilizer totals.
Source: Arizona Office of State Chemist.

LAND OWNERSHIP AND ADMINISTRATION: Acres and percent of total, Arizona, by counties, 1987 1/

County	Forest Service	Bureau of Land Management	State of Arizona	Indian reservations	Individual or corporate 2/	Other public lands 3/	Total area 4/	Area of	
								Land	Water 5/
	1,000 acres								
Apache	486	129	662	4,677	1,073	154	7,181	7,175	6
Cochise	490	351	1,368	0	1,659	112	3,980	3,980	0
Coconino	3,265	611	1,142	5,355	712	862	11,947	11,909	38
Gila	1,704	65	31	1,144	95	28	3,067	3,041	26
Graham	396	732	533	1,092	221	3	2,977	2,963	14
Greenlee	743	172	141	0	109	6	1,176	1,176	0
La Paz	0	1,699	224	226	174	566	2,889	2,870	19
Maricopa	659	1,679	675	260	1,740	891	5,904	5,841	63
Mohave	5	5,122	616	544	918	1,417	8,622	8,503	119
Navajo	488	87	371	3,464	1,934	30	6,374	6,371	3
Pima	433	358	927	2,491	768	903	5,880	5,880	0
Pinal	220	300	1,210	770	895	44	3,439	3,420	19
Santa Cruz	419	2	62	0	309	0	792	792	0
Yavapai	1,963	448	1,400	8	1,361	21	5,201	5,198	3
Yuma	0	530	270	8	336	2,387	3,531	3,526	5
Total	11,276	12,285	9,632	20,039	12,304	7,424	72,960	72,645	315

County	Forest Service	Bureau of Land Management	State of Arizona	Indian reservations	Individual or corporate 2/	Other public lands 3/
	Percent of total area					
Apache	7	2	9	65	15	2
Cochise	12	9	34	0	42	3
Coconino	27	5	10	45	6	7
Gila	56	2	1	37	3	1
Graham	13	25	18	37	7	6/
Greenlee	64	15	12	0	9	6/
La Paz	0	59	8	8	6	19
Maricopa	11	29	11	4	30	15
Mohave	6/	59	7	6	11	17
Navajo	8	1	6	55	30	6/
Pima	8	6	16	42	13	15
Pinal	6	9	35	23	27	1
Santa Cruz	53	6/	8	0	39	0
Yavapai	38	9	27	6/	26	6/
Yuma	0	15	8	6/	9	68
Total	15	17	13	28	17	10

1/ Reference dates: Forest Service, September 30, 1987; Bureau of Land Management, September 30, 1987; State of Arizona, May 3, 1988; and Bureau of Indian Affairs, December 31, 1987.

2/ Derived as residual.

3/ Includes land administered by National Park Service, Department of Defense, Bureau of Sport Fisheries and Wildlife, Bureau of Reclamation, and other state, county and city public land.

4/ U.S. Department of Commerce, Bureau of Census, 1980.

5/ The term "water" includes permanent inland water surface such as lakes, ponds and reservoirs having 40 acres or more of area and streams and canals one-eighth mile or more in width.

6/ Less than 0.5 percent.

U.S. AGRICULTURAL LANDHOLDINGS OF FOREIGN OWNERS: Arizona, by county, December 31, 1987

County	Parcels	Acres	Reported value 1/
	Number		1,000 Dol.
Cochise	2	5,929	148
Coconino	2	45,967	170
Gila	24	5,928	954
Graham	2	307	47
Maricopa	173	38,654	330,275
Navajo	1	640	3
Pima	14	102,231	28,258
Pinal	9	42,664	18,896
Santa Cruz	6	7,757	5,355
Yavapai	9	21,559	4,330
Yuma	14	1,060	1,788
Total	256	272,696	390,224

1/ Reported value is purchase price or nonpurchase price (estimated value) at time of acquisition.

AGRICULTURAL LANDHOLDINGS BY COUNTRY OF FOREIGN OWNER: Arizona, by county, December 31, 1987

County	Canada	Germany West	Netherlands	Netherlands Antilles	United Kingdom	All others
			Acres			
Cochise	5,612	0	0	0	0	317
Coconino	320	0	0	0	0	45,647
Gila	5,928	0	0	0	0	0
Graham	307	0	0	0	0	0
Maricopa	18,637	1,110	1,694	142	243	16,828
Navajo	640	0	0	0	0	0
Pima	300	0	90,178	5,314	0	6,439
Pinal	9,721	620	0	0	0	32,323
Santa Cruz	560	7,197	0	0	0	0
Yavapai	553	0	0	0	0	21,006
Yuma	8	0	200	0	0	852
Total	42,586	8,927	92,072	5,456	243	123,412

USE OF AGRICULTURAL LANDHOLDINGS OF FOREIGN OWNERS: Arizona, by county, December 31, 1987

County	Cropland	Pasture	Forest	Other agriculture	Other non-agriculture	No usage reported	Total
				Acres			
Cochise	0	5,929	0	0	0	0	5,929
Coconino	0	320	0	45,647	0	0	45,967
Gila	0	5,915	13	0	0	0	5,928
Graham	40	47	0	0	220	0	307
Maricopa	13,788	10,938	82	5,492	8,354	0	38,654
Navajo	0	640	0	0	0	0	640
Pima	764	100,180	0	43	1,244	0	102,231
Pinal	2,985	31,500	441	5,616	2,122	0	42,664
Santa Cruz	0	7,757	0	0	0	0	7,757
Yavapai	720	20,399	0	0	440	0	21,559
Yuma	975	0	0	58	27	0	1,060
Total	19,272	183,625	536	56,856	12,407	0	272,696

GRAZING FEES: Arizona, 1984-88

Approximately 44 percent of Arizona's total area of 72,960,000 acres is federal and state public trust lands administered by the U.S. Department of Interior's Bureau of Land Management, the U.S. Department of Agriculture's Forest Service, and Arizona's State Land Department. A majority of these public lands are leased for livestock grazing.

For the years 1979-1985, fees for grazing on federal public lands were determined by a formula established in the Public Rangelands Improvement Act of 1978 (PRIA). This act expired December 31, 1985. On February 14, 1986, in the absence of Congressional action, the President, through Executive Order 12548, indefinitely extended the PRIA formula subject to a few minor changes.

These minor changes included: (1) the Forage Value Index would use "the weighted average estimate of the annual rental charge per head per month" rather than "animal unit month;" (2) the "Beef Cattle Price Index" means the weighted average annual selling price for beef cattle in the 11 Western States, and (3) the Prices Paid Index would reflect selected livestock production costs in the Western States. In addition, the Executive Order specified that the fee "shall not be less than $1.35 per Animal Unit Month" and that annual adjustments would not exceed plus or minus 25 percent of the previous year's grazing fee.

Effective March 1, 1988, the Secretary of Agriculture issued a final ruling that established regulations for annually determining federal grazing fees. The fee system now in effect is the formula prescribed in the Executive Order of February, 1986, and, in most respects, is the same grazing fee formula enacted by Congress in 1978. Grazing fees will be based on a rate per head month.

A head month is a month's use and occupancy of range by one animal, except for sheep or goats. A full head month's fee is charged for a month of grazing by adult animals; if the grazing animal is weaned or 6 months of age or older at the time of entering the federal lands; or will become 12 months of age during the permitted period of use. For fee purposes 5 sheep or goats are equivalent to one cow, bull, steer, heifer, horse, or mule.

Arizona adopted the federal fee formula for state trust lands beginning in 1982, except that a base year fee of $.95 is used instead of the federal base fee of $1.23, the difference being a credit for range improvements made on state lands and for taxes paid on those lands by the lessees. That formula continued in effect for 1988.

Grazing fee formula components are compiled by the USDA's Agricultural Statistics Board and furnished to USDI Bureau of Land Management, USDA's Forest Service, and the Arizona State Land Department for calculating the grazing fee each year. The components are made public at the same time, during the last week of December.

PUBLIC LAND GRAZING FEE FORMULATION

Grazing fee components	Unit	Base year 1964-68	Grazing fee year				
			1984	1985	1986	1987	1988
Grazing Rates on Private Land 1/	Dollars	3.65	8.85	8.86	8.40	8.10	8.54
Forage Value Index (FVI) 2/		100	242	243	230	222	234
Average Price Received for Beef Cattle per Cwt. 3/	Dollars	22.04	56.40	57.80	53.70	51.80	59.96
Beef Cattle Price Index (BCPI) 4/		100	256	262	244	235	272
Prices Paid Index (PPI) 5/		100	387	395	397	388	381
Federal Grazing Fee 6/	Dollars	(1.23)	1.37	1.35	7/ 1.35	7/ 1.35	1.54
State Grazing Fee 6/	Dollars	(.95)	1.05	1.05	.73	.66	1.19

1/ Privately-owned, non-irrigated land in eleven western states: Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming. Rates for 1984 through 1987 are per AUM. Rate for 1988 is per head month.

2/ Private grazing rates current year divided by base year times 100.

3/ Average for twelve months November-October prior to the fee year for eleven western states; see footnote 1.

4/ Beef cattle price current year divided by base year times 100.

5/ Index of prices paid for beef cattle production inputs as percent of base year.

6/ The grazing fee = base year fee (FVI + BCPI - PPI) ÷ 100. 1988, for example = $1.23 (234 + 272 - 381) ÷ 100 = $1.54 (federal); $.95 (234 + 272 - 381) ÷ 100 = $1.19 (state).

7/ Minimum fee established by Executive Order.

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06/88

PRINCIPAL CROPS: Acreage harvested by counties, and total State production, Arizona, 1986

Crop	State Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Upland Cotton: Acres	249,000	0	11,000	0	0	8,800	800	16,800	102,400	4,100	0	7,600	78,400	0	0	19,100
Bales, 480 lb. net wt.	675,000															
American Pima Cotton: Acres	73,800	0	2,500	0	0	11,800	0	3,400	17,700	0	0	3,200	33,100	0	0	2,100
Bales, 480 lb. net wt.	148,300															
Alfalfa: Acres	155,000	3,000	7,000	500	0	5,000	500	31,000	47,000	3,000	3,000	1,000	11,000	500	4,000	38,500
Production, tons	1,178,000															
Other hay: Acres	22,000	1,000	900	500	*	900	*	2,000	6,000	800	*	*	1,000	500	3,000	4,500
Production, tons	84,000															
Durum wheat: Acres	48,000	*	*	*	0	1,100	*	4,000	15,800	0	*	1,200	15,900	0	0	8,900
Production, tons	125,280															
Other wheat: Acres	48,000	*	*	*	0	900	*	8,000	12,200	*	*	500	2,100	0	600	22,100
Production, tons	135,360															
Barley: Acres	29,000	*	500	0	*	1,700	*	600	13,700	1,000	*	1,000	8,700	*	400	800
Production, tons	69,600															
Corn for Grain: Acres	24,000	4,200	7,500	400	*	4,400	300	1,000	1,000	0	2,800	0	*	*	1,000	1,200
Production, tons	73,920															
Sorghum for Grain: Acres	12,000	300	700	0	0	1,500	*	1,000	3,400	*	*	*	1,800	0	0	2,100
Production, tons	29,230															
Potatoes: Acres	5,900	0	400	0	0	0	0	0	5,100	0	1/	0	0	0	0	400
Production, cwt.	1,298,000															
Principal vegetables: Acres	70,100	0	2,250	0	0	0	0	5,140	2/19,560	0	0	1,050	2,470	0	0	39,630
Production, cwt.	16,179,000															
Grapes: Acres	6,330	0	*	0	0	0	0	0	3,127	0	0	0	*	*	0	1,195
Production, tons	23,000															
Grapefruit: Acres	5,700	0	0	0	0	0	0	0	3,850	0	0	0	3/	0	0	1,850
Production, ctns.	4,800,000															
All oranges: Acres	11,000	0	0	0	0	0	0	0	6,340	0	0	0	3/	0	0	4,660
Production, ctns.	4,600,000															
Lemons: Acres	16,500	0	0	0	0	0	0	0	2,000	0	0	0	3/	0	0	14,500
Production, ctns.	6,500,000															
Tangerines: Acres	3,300	0	0	0	0	0	0	0	1,790	0	0	0	3/	0	0	1,510
Production, ctns	1,400,000															
Other crops: Acres 4/	71,926															
Total acres harvested 5/	851,556															

1/ Included with Cochise County to avoid disclosing individual operations.
2/ Includes small acreage in Cochise and Pinal counties to avoid disclosing individual operations.
3/ Included with Maricopa County to avoid disclosing individual operations.
4/ Includes miscellaneous fruits, nuts, vegetables, and field crops not listed above. Not available by county.
5/ Includes double crop acreage.
* Acres harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.

PRINCIPAL CROPS: Acreage harvested by counties, and total State production, Arizona, 1987 preliminary

Crop	State Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Upland Cotton: Acres	289,000	0	12,800	0	0	8,900	900	23,600	119,600	4,500	0	8,500	83,200	0	0	27,000
Bales, 480 lb. net wt.	849,000															
American Pima Cotton: Acres	90,800	0	2,100	0	0	12,700	0	4,800	22,300	0	0	3,400	42,100	0	0	3,400
Bales, 480 lb. net wt.	213,000															
Alfalfa: Acres	160,000	3,100	7,300	500	0	5,200	500	40,000	48,500	3,100	3,100	1,000	11,400	500	4,100	31,700
Production, tons	1,248,000															
Other hay: Acres	30,000	1,200	1,000	500	*	1,000	*	6,000	5,800	800	500	*	1,000	500	2,600	8,600
Production, tons	135,000															
Durum wheat: Acres	45,000	*	*	*	0	800	*	4,500	11,800	0	*	1,200	14,800	0	0	10,800
Production, tons	114,750															
Other wheat: Acres	44,000	*	*	*	0	500	*	5,100	18,700	*	*	*	1,200	*	500	15,900
Production, tons	125,400															
Barley: Acres	22,000	*	500	0	*	1,200	*	*	8,200	700	*	700	7,400	*	*	2,100
Production, tons	52,270															
Corn for Grain: Acres	20,000	2,600	6,800	*	*	3,500	*	1,600	1,000	0	2,500	*	300	*	700	500
Production, tons	56,000															
Sorghum for Grain: Acres	11,000	700	700	0	0	1,200	*	1,300	3,800	*	*	*	1,700	0	0	1,000
Production, tons	27,720															
Potatoes: Acres	4,900	0	1/	0	0	0	0	0	4,900	0	0	0	0	0	0	1/
Production, cwt.	1,348,000															
Principal vegetables: Acres	74,500	0	2,120	0	0	0	0	2/5,370	3/19,490	0	0	1,020	1,820	0	0	44,680
Production, cwt.	18,342,000															
Grapes: Acres	7,100	0	*	0	0	0	0	0	3,335	0	0	0	*	*	0	1,702
Production, tons	31,000															
Grapefruit: Acres	5,700	0	0	0	0	0	0	0	3,580	0	0	0	1/	0	0	2,320
Production, ctns.	4,400,000															
All oranges: Acres	10,900	0	0	0	0	0	0	0	6,310	0	0	0	1/	0	0	4,590
Production, ctns.	6,300,000															
Lemons: Acres	15,800	0	0	0	0	0	0	0	1,500	0	0	0	1/	0	0	14,300
Production, ctns.	14,200,000															
Tangerines: Acres	3,200	0	0	0	0	0	0	0	1,610	0	0	0	1/	0	0	1,590
Production, ctns.	1,400,000															
Other crops: Acres 4/	64,839															
Total acres harvested 5/	898,739															

1/ Included with Maricopa County to avoid disclosing individual operations.
2/ Includes acreage in Yuma County to avoid disclosing individual operations.
3/ Includes acreage in Cochise and Pinal counties to avoid disclosing individual operations.
4/ Includes miscellaneous fruits, nuts, vegetables, and field crops not listed above. Not available by county.
5/ Includes double crop acreage.
* Acres harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.